## 2. EQUIPMENT PACKAGE

A summary of the equipment packages are as follows;

- i. 1 no. 6m Vibrocorer Including;
  - Vibrocore base, frame and legs
  - Pot and vibration motors
  - Cabling and wiring
  - Painting
  - Load testing, pressure testing, testing and commissioning.
- **ii. 1 no. Vibrocorer container** *i.e. container to house all tools* & equipment required to operate the Vibrocorer. Including;
  - Container fabrication
  - Electrics and starter panel. Electrical supply required for container on board vessel of 1 x 220V 32A, 1 x 415V 63A 3PH+E 50/60Hz. Container will supply power to umbilical for vibrocorer power.
  - Painting
  - Tools / tool chest
  - Svarog Logo
  - Load testing, testing and commissioning.
- **iii. 1 no. Spooler and Umbilical Cable** *i.e.* Spooler and Umbilical providing electrical supply for vibrocorer. Including;
  - Fabrication
  - Supply and fit umbilical. 700 meters umbilical will be supplied. Max water depth achievable – 500m.
  - Fair lead (i.e. umbilical handling)
  - Electrical spares for umbilical spooler and starter panel
  - Load testing, testing and commissioning.
- iv. Spares and consumables detailed below are based on providing spares and consumables for <u>10 no. Vibrocore tests only.</u> Including;
  - Barrells x 5
  - Core catchers x 20
  - Cutting shoes x 5
  - Liners x 20
  - Cable repair kit x 1
  - Core caps (100 x yellow, 100 x black)

## v. 1 no. Offshore Laboratory Container

- Purpose build laboratory container to log and test 1m lengths of vibrocore.
- Svarog Logo





## 3. SPECIFICATIONS

## VIBROCORER - ZENKOVITCH TYPE – STANDARD VC

Zenkovitch type vibrocorers are both robust and extremely compact making them particularly suitable for deployment from relatively small vessels such as workboats, beam travelers and small supply boats.

## **Special Features**

- Maximum working water depths of 500m
- Easily transported by road, sea or air

## **Applications**

- Pre-dredge surveys
- Cable route surveys
- Environmental investigations
- Mineral/Aggregate prospecting
- Inshore civil engineering site investigations
- Offshore oil and gas pipeline geotechnical investigations

## **Specification**

- Twin linear electric motors, 3 hp, 415 V, 50 Hz minimum 20 kVA
- FAOL will supply standard liners of 109mm I.D. and 113.5mm O.D. and will supply standard barrels of 117mm I.D. and 127mm O.D. This meets Svargo requirements as per the following "The minimum diameter of soil sampling is subject to Russian regulatory documents. According to Russian Doc GOST 12071-2000 the minimum diameter of soil sample of Sand and Very Stiff to Hard Clay is 90mm and minimum diameter of soil sample of Stiff to Soft Clay is 100mm. Due to these conditions it is recommended to get corer equipped with PVC liners 100 mm I.D.".
- Stainless steel tulip type core catchers.

## Equipment Specification

| UNIT    | HEIGHT (M) | BASE (M)                | WEIGHT (KG)  |
|---------|------------|-------------------------|--|
| 6 metre | 7.3        | 2 <mark>.9</mark> x 1.8 | 2,000  |
|         |            |                         |  |
|         |            | A A                     |  |
|         |            |                         |  |
|         |            |                         |  |
|         |            |                         | - Mark - Contraction - Contrac |
|         |            |                         |  |



## OFFSHORE LABORATORY CONTAINER

One purpose built OFFSHORE laboratory container to log and test 1m lengths of vibrocore.

Unit will be a new standard ISO 20' shipping container converted for use as an offshore Laboratory with large bulkhead fitted with large window and door with window, insulated walls, ceiling and floor, walls will be covered in aluminium chequer plate, ceiling covered in laminated board and floor in non slip rubber matting.

Three metre long work benches will run down each side of the unit topped with 3mm stainless steel work surface and fitted with shelving underneath. Ceiling mounted fluorescent lighting will be fitted and multiple 2 pin marine electrical sockets will be fitted above the work surfaces. The unit will have full AC. All electrical ring mains will be connected to a wall mounted consumer unit requiring 230v 1ph 50Hz electrical supply. An industrial sink with taps will be fitted requiring connection to a water supply. A small area will be fitted out as a desk working area for an engineer / geologist.

Container will be painted externally in our standard marine coating system and Svarog corporate logos affixed, both to Client instruction and full international color codes.

## Laboratory equipment included in price:

- Liner cutting rig
- Digital electric soil drying ovens
- Digital hand held Thermal conductivity meter
- Torvane kits
- Pocket penetrometer kits
- 10Mp Digital camera with lights
- 2.2kg capacity triple balance scales
- Munsell colour books
- 33.3cm3 Density ring with extruder
- 100cm3 Density ring with extruder
- ASTM Motorised Laboratory mini vane complete with set of calibrated vane Springs, two sets of vanes.

# PENETROMETER

NIKEL PLATED, STEEL TESTING PROD, TON/FT<sup>2</sup>-KG/CM<sup>2</sup> GRADUATION, CHROMIUM PLATED HOUSING.

## MAINTENANCE

THE SCALE AND THE CALIBRATED SPRING INSIDE THE PENETROMETER SHOULD BE KEPT CLEAN.

FOR DISSEMBLING THE INSTRUMENT, PLEASE:

- ✓ UNPLUG THE PENETROMETER'S PIN
- ✓ EXTRACT THE PENETROMETER'S PISTON, SPRING AND SETTING WASHERS
- ✓ MAKE NECESSARY CLEANING: OIL AND DRY ACCURATELY ALL PARTS WITHOUT DEFORMING THE SPRING
- ✓ RE-ASSEMBLE THE PENETROMETER IN PROPER ORDER AND RE-PLUG THE PIN IN THE SOCKET

## INSTRUCTIONS FOR USE

THE PENETROMETER IS USED FOR CLASSIFYING SAMPLES O

F SOIL ON THE BASIS OF THEIR RESISTANCE TO COMPRESSION. RESISTANCE IS EXPRESSED IN TON/FT<sup>2</sup>-KG/CM<sup>2</sup> AND CAN BE READ DIRECLTY ON THE SCALE.

- 1. SHIFT THE SLIDING INDEX RING DOWN TO THE LOWEST VALUE OF THE SCALE;
- 2. PRESS THE PISTON VERTICALLY AGAINST THE SOIL UNTIL IT PENETRATES UP TO THE REFERENCE LINE ENGRAVED ON THE PISTON;
- 3. READ THE VALUE ON THE UPPER SIDE OF THE SLIDING INDEX RING. TO GET A GOOD AVERAGE VALUE, IT IS SUGGESTED TO PERFORM SEVERAL TESTS.

THE PENETROMETER DOES NOT REPLACE NORMAL LABORATORY ANALYSYS.



| ALLOWABLE LOAD IN KG/CM <sup>2</sup><br>AT A DEPTH OF 1÷1,5M | TYPE OF SOIL                           |
|--|--|
| 20÷150   | PRIMITIVE HARD ROCKS                   |
| 7÷20   | SOFT ROCKS: TUFA, LIMESTONE, SANDSTONE |
| 5÷7  | COMPACT, STRATIFIS GRAVEL              |
| 3 ÷ 5  | SOLIDLY STRATIFIED SAND (1)            |
| 2÷3  | MIDDLE SIZE SAND                       |
| 2÷3  | LEAN SANDY CLAY AND COMPACT CHALK (2)  |
| 0,5 ÷ 1  | VERY LEAN CLAY AND WET CLAY (3)        |
| 0,5 ÷ 1  | EMBANKMENTS (4)                        |
| 0,5  | LOAM SOIL (5)                          |
| 0÷0,5  | SLUSHED OR SWAMPY SOIL (6)             |

- (1) PRESENCE OF WATER REDUCES RESISTANCE
- (2) ONLY IN ABSOLUTE ABSENCE OF WATER
- (3) DEPENDING ON IMBITION
- (4) DEPENDING ON GROUND SETTING
- (5) NOT SUITABLE FOR STABLE CONSTRUCTIONS
- (6) NOT SUITABLE FOR STABLE CONSTRUCTIONS.

The maximum safety load must be considered as  $1/3 \div 1/4$  of the test results.

# **General Purpose Ovens**





50 litre Oven with Digital Controls OV/50/DIG

The GENLAB General Purpose Ovens offer a range of highly efficient, reliable, cost effective units to suit most drying, warming and general laboratory applications

| Specifications  | Options   |
|---|---|
| • 10 sizes 6 to 200 litres  | <ul> <li>Stainless steel chamber</li> </ul>                         |
| <ul> <li>Temperature range: 40 to 250°C</li> </ul>                          | <ul> <li>Fan circulation (30 litre +)</li> </ul>                    |
| Fluctuation +/- 0.75°C  | <ul> <li>Microprocessor digital controller<br/>with dual</li> </ul> |
| Easy clean powder coated body   | display of set point and actual temperature                         |
| <ul> <li>Aluminium coated mild steel<br/>chamber</li> </ul>                 |   |
| <ul> <li>Direct reading thermostat</li> </ul>                               | <ul> <li>Other accessories available on<br/>request</li> </ul>      |
| <ul> <li>Safety overheat thermostat to DIN<br/>12-880, Class 3.1</li> </ul> |   |
| <ul> <li>Full two year warranty</li> </ul>                                  |   |
| • C.E. compliant  |   |

## Design

The exterior is constructed from sheet steel finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD) with a stainless steel chamber available as an option. Fitted with fixed shelf runners and removable chrome plated wire grid shelves. The top vent is fitted with a clip to hold a glass immersion thermometer. The vertical style units are fitted with the controls below the door, the horizontal style units with the controls fitted on the side.

## Heating

Heated by Incoloy sheathed elements; positioned below the chamber floor for natural convection units and fitted around the fan on the back or side wall of the chamber for mechanical convection units. The 200 litre units have fan circulation as standard.

## Controls

The control system comprises of a direct reading thermostat and overheat thermostat both with calibrated scales and tamper proof locks. They also include main switch with indicator and heat and overheat indicators.

Options include a PID Microprocessor controller with dual displays of set point and actual temperature, which are auto-tuned for each individual unit to optimise the heat up, overshoot and control of temperature.

## Specifications

| Vertical                 | Style                |                                 |                 |                                 |                   |                     |    |
|--------------------------|----------------------|---------------------------------|-----------------|---------------------------------|-------------------|---------------------|----|
| Genlab<br>ref.<br>Number | Capacity<br>(litres) | Internal<br>dims.<br>(H x W x D |                 | dims.<br>D cms)                 | No. of<br>Shelves |                     |    |
| Number                   |                      | cms)                            | without fa      | an with fan                     |                   |                     |    |
| MINO/6                   | 6                    | 15 x 23 x<br>19                 | 41 x 35 x<br>33 | N/A                             | 1                 | 1                   | 7  |
| MINO/18                  | 18                   | 26 x 26 x<br>27                 | 52 x 38 x<br>41 | N/A                             | 2                 | 2                   | 14 |
| MINO/30                  | 30                   | 24 x 36 x<br>35                 | 50 x 48 ><br>49 | 50 x 48 :<br>62                 | × 2               | 2                   | 20 |
| MINO/40                  | 40                   | 32 x 36 x<br>35                 | 58 x 48 ><br>49 | 58 x 48 :<br>62                 | × 2               | 3                   | 23 |
| MINO/50                  | 50                   | 33 x 49 x<br>33                 | 59 x 61 ><br>47 | 59 x 61 :<br>59                 | × 2               | 3                   | 26 |
| MINO/75                  | 75                   | 33 x 49 x<br>45                 | 59 x 61 ><br>60 | 59 x 61 :<br>72                 | × 2               | 3                   | 34 |
| Horizonta                | al Style             |                                 |                 |                                 |                   |                     |    |
| Genlab<br>ref.<br>Number | Capacity<br>(litres) | (H x W x D                      | ) cms)          | External<br>dims.<br>(H x W x D | No. of<br>Shelves | No. shelf positions | -  |
|                          |                      | without far                     |                 | cms)                            |                   |                     |    |
| OV/50                    | 50                   | 42 x 41 x<br>35                 | 34              | 47                              | 2                 | 3                   | 31 |
| OV/75                    | 75                   | 42 x 53 x<br>35                 | 45 x 49 x<br>34 | (57 x 85 x<br>47                | 2                 | 3                   | 39 |
| OV/100                   | 100                  | 42 x 53 x<br>46                 | 45 x 49 x<br>46 | (57 x 85 x<br>59                | 3                 | 4                   | 48 |
|                          |                      |                                 |                 |                                 |                   |                     |    |

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# **Construction Materials Testing Ec**

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| HOME < PRO   | DUCTS < SOIL-F | TELD < SHEAR S | STRENGTH < SHE | AR VANE (TORVA | NE)       |              |

## SOIL-FIELD

Classification Compaction, Moisture/Density Compaction/Consistency Density **Dialectric Values** Drive Sampler, Shelby Tube Infiltrometer Mechanical Earth Drill **Guelph Permeameter** Resistivity Sampling Augers and Kits Sampling Augers, Probes Shear Strength Penetrometers Shear Vane (Torvane) Vane Testers Shear Strength, CBR Uniformity, Stiffness Water Level



## Humboldt Shear Strength Testers

Shear Strength Testers are recommended for the rapid de shear strength of cohesive soils, for field or laboratory use simple to use with sample trimming eliminated, enabling  $\iota$  in homogenous clays.

Typical applications include determining wall integrity of p readings from Shelby tube and other thin-wall and split cc methods, and readings of chunk sample pits, trenches and devices are widely used by Safety and OSHA Inspectors, I Operators, Field Testing Technicians and Consulting Engin

The new metal Shear Vane Device is now in-stock and ava purchase.

## Shear Strength Testers



Click to Enlarge

## Pocket Shear Vane, Metal

The NEW Humboldt H-4212MH Pocket Shear Vane Tester provides a quic shear strength values of cohesionless soils. The Pocket Shear Vane is wid measurements of excavations, including trenches and test pits. It is also split core soil samples. It can also be used in the laboratory for evaluaito and OSHA Inspectors, Back Hoe Operators, Field Testing Technicians, Co

The NEW Humboldt Shear Vane Device comes with three vanes, which ar device with the included L-wrench. We also include a custom, heavy-duty quickly attached to your belt with its belt clip, as well as a laminated inst instructions to refer to when doing tests.

The Pocket Shear Vane can be used to gather a large number of readings planes without the need to prepare and trim samples. The device can be is slightly larger than the vane surface being used. The Pocket Shear Van grained soils with an undrained strength independent of normal pressure

to stiff consistency. Readings can be made from 0 to 1.0 TSF (1 Kg/cm<sup>2</sup>) (0.05 Kg/cm<sup>2</sup>) increments.

Manual: H-4212MH MAN 0712.pdf

Data Sheet: H-4212MH ShearVane.pdf

Pocket Shear Vane, Metal— H-4212MH

Torvane Shear Strength Tester, Strength of Cohesive Soils



Torvane Shear Tester Set, Plastic Similar to H-4212M, but made of plastic. Comes in plastic case.

Torvane Shear Tester Set, Plastic- H-4212

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## 1. Introduction

The Laboratory Vane Apparatus is based on the original design by the Transport and Road Research Laboratory (TRRL) where torsional load is applied through one of four calibrated springs to a 12.7 mm x 12.7 mm vane (fitted as standard; other sizes are available). This allows for the determination of shear strength in soft soils of undisturbed and remoulded samples.

The hand operated frame is 590 mm high and has a 200 mm diameter base plate capable of accepting standard specimen moulds and sample tubes. Scales indicate the load application and vane deflection. A motorising attachment is available which produces 12 degrees or rotation per minute.

### Features:

- Conforms to BS 1377.
- Manual unit can easily be converted to a motorised version.
- Easy to use.
- Rapid way of determining shear strength in soft soils.

| Specification:          |                    |
|-------------------------|--------------------|
| Dimensions (L x W x H): | 200 x 240 x 590 mm |
| Weight:                 | 10 kg              |

| Accessories: |   |
|--------------|---|
| Part Number  | Description   |
|              | Motorising Attachment for Laboratory Vane Apparatus |
|              | Attachment to hold sample tubes and glass jars      |

### 2. Apparatus

The laboratory vane apparatus is self-contained and consists essentially of the following components (those shown are for the hand operated version):

- a) Frame and stand.
- b) Vane mounting assembly.
- c) Handle for raising and lowering the vane assembly by means of the square-thread lead screw.
- d) Vane, with four blades, 12.7 mm wide and 12.7 mm long.
- e) Handle for rotating vane head.
- f) Graduated scale, marked in degrees.
- g) Rotation pointer.
- h) Vertical shaft attached to knob fitted with pointer carrier on friction sleeve.
- Set of four springs of different stiffnesses, to allow for a range of soil strengths.
- j) Base plate.



Figure 1 - Laboratory Vane Apparatus.

The dimenions of the frame and base are large enough to accommodate a standard compaction mould or a CBR mould containing the test specimen. For testing a sample in a long container the frame can be swivelled through 180 degrees so that the vane can hang over the edge of a bench, where the sample tube can be clamped in a suitable position. To reverse the apparatus simply remove the nut holding the base plate to the frame and turn the frame through 180 degrees.



Notes: Counterbalance weight MUST be added to the base plate to prevent the apparatus tipping off the bench.

Figure 2 - Laboratory Vane Apparatus Reversed.

## 3. Test Procedure

This method covers the measurement of the shear strength of a sample of soft to firm cohesive soil without having to remove it from its container or sampling tube. The sample therefore does not suffer disturbance due to preparation of a test specimen. The method maybe used for soils that are too soft or too sensitive to enable a satisfactory compression test specimen to be prepared.

The shear strength of the remoulded soil, and hence the sensitivity, can also be determined.

### 1). Attach the sample.

Attach the sample container to the base of the vane apparatus, with the sample axis vertical and located centrally under the axis of the vane. Trim the upper surface of the sample flat.

### 2). Select the torsion spring.

The torsion spring used should be selected after examining the sample and accessing its range of probable shear strength. The table below may be used as a general guide:

| General Descriptive Term<br>for Strength | Suggested Spring No. | Maximum Shear Stress $(kN/m^2)$ |
|--|----------------------|---------------------------------|
| Very Soft                                | 1 (Weakest)          | 20                              |
| Soft                                     | 2                    | 40                              |
| Soft to Firm                             | 3                    | 60                              |
| Firm                                     | 4 (Stiffest)         | 90                              |

### 3). Zero the pointer.

Set the pointer and the graduated scale to the zero position, shown below. Ensure that there is no backlash in the mechanism for applying the torque.



Figure 3 - Pointer set to zero.

#### 4). Set vane datum point.

Lower the vane assembly until the end of the vane just touches the surface of the sample. This provides the datum from which the depth of penetration of the vane can be measured.

### 5). Push vane into sample.

Lower the vane assembly further to push the vane steadily into the sample to the required depth. The top of the vane should be at a distance not less than four times the blade width below the surface. Record the depth of penetration.

## 6). Shear the sample.

Apply torque to the vane by rotating the torsion head (labelled e on figure 1 above) at a rate of 6-12 degrees per minutes. If you are using the motorised version then toggle the switch and the vane will automatically be rotated at approximately 12 degrees per minute.

#### 7). Record failure.

Record the maximum angular deflection of the torsion spring and the angle of rotation of the vane at the instant of failure. The example shown below has failure at 25 degrees of rotation.



Figure 4 - Example failure at 25 degrees.

8). Remould the sample.

Rotate the vane rapidly through two revolutions so as to remould the soil in the sheared zone.

9). Measurement of remoulded strength.

Repeat steps 3-7 and record the results for the 'remoulded' sample.

10). Remove the vane.

Raise the vane steadily from the sample so as to prevent tearing of the surface.

#### 11). Repeat the test.

Repeat the test procedure above, steps 3-10, with the vane at two or more additional locations in the soil, and record the results for each.

## 3.1. Calculations

For each result calculate the torque applied to shear the soil, M (in N mm), by multiplying the maximum angular rotation of the torsion spring (in degrees) by the calibration factor (in N mm per degree). This factor can be found on the supplied "Spring Calibration Sheet" an example is shown in the appendix.

To calculate the torque, M (in N mm):

M = maximum angular rotation (degrees) x calibration factor (N mm per degree)

To calculate the vane shear strength of the soil,  $\tau_v$  (in kPa):

$$\tau_v = \frac{1000M}{K}$$

where K (in  $mm^3$ ), a constant which depends on the dimensions of the vane, is given by the equation

$$K = \pi D^2 \left( \frac{H}{2} + \frac{D}{6} \right), \text{ and}$$

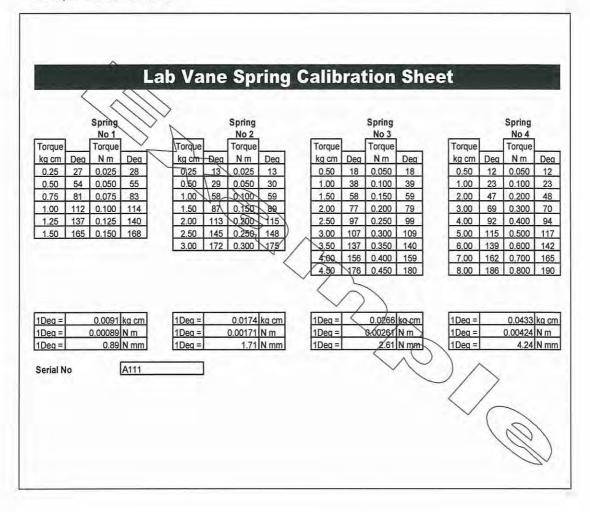
D is the overall width of the vane measured to 0.1 mm (in mm) H is the length of the vane measured to 0.1 mm (in mm)

Notes: The vane dimensions should be checked periodically to ensure that the vane is not distorted or worn. Spares can be supplied.

The average value of the vane shear strength of the undisturbed soil,  $\tau_v$  (in kPa), and remoulded soil,  $\tau_{vr}$  (in kPa), must both be calculated.

## Appendix

Example calibration sheet







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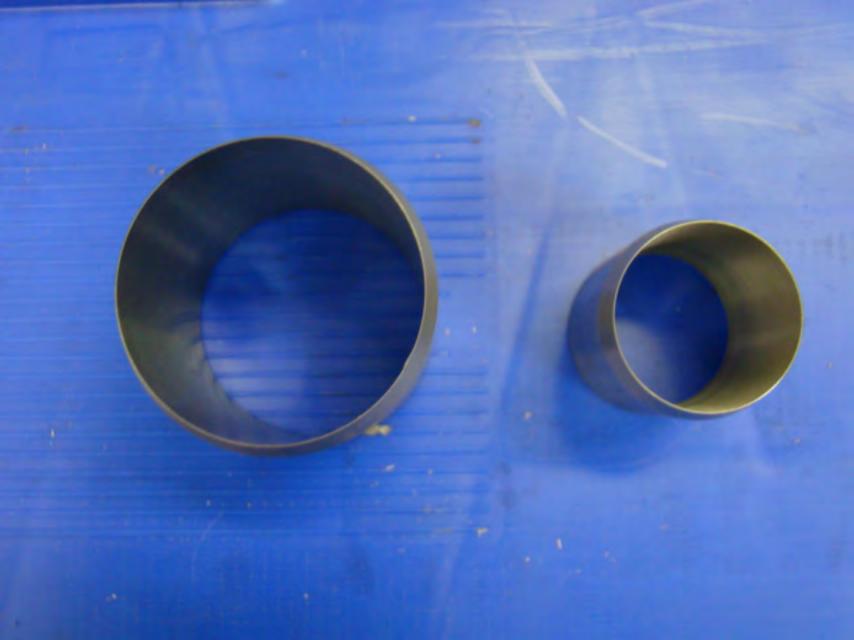
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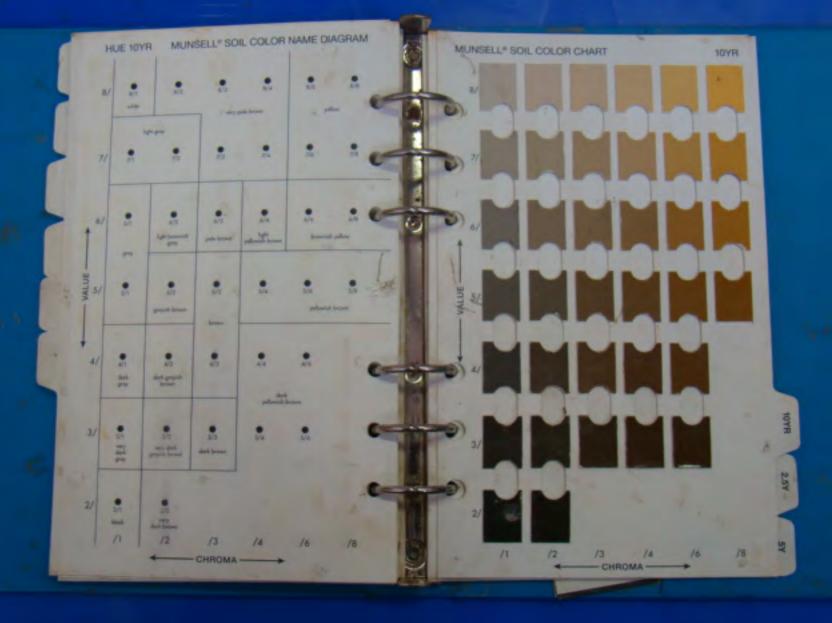












#### EQUIPMENT ROUTING DOCUMENT - VIBROCORE

| -1 | UGRO            |
|----|-----------------|
|    | $= \approx$     |
|    | $ \rightarrow $ |

| CONTRACT No.                        | SITE     |
|-------------------------------------|----------|
| CLIENT                              | COUNTRY  |
| VESSEL                              | DATE RQI |
|                                     |          |
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| PROJECT REQUIREMENTS<br>WATER DEPTH |          |
|                                     | 10       |

| UMBILIC<br>UMBILIC<br>UMBILIC<br>CONTR<br>CONTR<br>CONTR<br>BARREL<br>BASE +.<br>CORIN<br>POT<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>CHAINS<br>POT<br>POT CH.<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE  | AL BLOCK AL SPOOLER AL SPOOLER LIFT SLING AL (TYPE & LENGTH) IL CONTAINER IL CONTAINER LIFT SLING S EQUIPMENT HANDLING STANDS (VC Type) IM LEGS (SUPPORT) INN (inc HAMMERLOCK) INN (inc HAMMERLOCK & SHACKLE) BASKETS (80 1 METER SAMPLES PER BASKET) S CONSUMABLES ILACK IELLOW ATCHER INN INN INN INN INN INN INN INN INN IN   | No.     | Min  1  1  1  1  1  1  1  1  1  1  1  1  1  |
|---|--|---------|---|
| UMBILIC<br>UMBILIC<br>UMBILIC<br>CONTRC<br>CONTRC<br>CONTRC<br>CORIN<br>BARREL<br>BASE +<br>CHAINS<br>POT<br>POT CH.<br>TRIP CH.<br>SAMPLE<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>UNER<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPLE<br>SAMPL  | AL BLOCK AL SPOOLER LIFT SLING AL SPOOLER LIFT SLING AL SPOOLER LIFT SLING AL (TYPE & LENGTH) UC ONTAINER IFT SLING  | 6M      | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2<br>2<br>2 |
| UMBILIC<br>UMBILIC<br>UMBILIC<br>CONTR<br>CONTR<br>CONTR<br>BARREL<br>BASE +.<br>CORIN<br>POT<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>1005<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>CORIN<br>BARREL<br>CORIN<br>CORIN<br>BARREL<br>CORIN<br>CORIN<br>CORIN<br>BARREL<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN<br>CORIN                             | AL SPOOLER AL SPOOLER AL SPOOLER AL SPOOLER AL SPOOLER AL SPOOLER LIFT SLING AL (TYPE & LENGTH) OL CONTAINER DE CONTAINER DE CONTAINER DE CONTAINER DE CONTAINER DE CONTAINER DE CE CONTROL EQUIPMENT  | 6M      | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2<br>2<br>2 |
| UMBLIC<br>UMBLIC<br>UMBLIC<br>CONTR<br>CORIN<br>BARREL<br>BASE +.<br>CHAINS<br>POT<br>CHAINS<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>CHAINS<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>UINER<br>56 CAPS - I<br>705 CAPS -  | AL SPOOLER LIFT SLING<br>AL (TYPE & LENGTH)<br>L CONTAINER<br>DL CONTAINER<br>DL CONTAINER LIFT SLING<br><b>3 EQUIPMENT</b><br>HANDLING STANDS (VC Type)<br>IM LEGS<br>(SUPPORT)<br>UN (inc HAMMERLOCK)<br>AINS (inc HOOK, HAMMERLOCK & SHACKLE)<br>BASKETS (80 1 METER SAMPLES PER BASKET)<br><b>3 CONSUMABLES</b><br>LACK<br>ELLOW<br>ATCHER<br>S SHOE<br>ATION SPRING (NEW TYPE)<br>ATION SPRING PROTECTIVE END RUBBER<br>STANDARD<br>LEATHER<br>ROPE (3M LONGER THAN BARRELS)<br>CE CONTROL EQUIPMENT  | 6M      | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2         |
| UMBILIC<br>CONTRC<br>CONTRC<br>CONTRC<br>BARREL<br>BASE +.<br>CHAINS<br>POT<br>POT CH.<br>TRIP CH.<br>SAMPLE<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>UNER<br>56 CAPS - 1<br>705 CAPS - 1<br>707 CAPS - 1  | AL (TYPE & LENGTH)  L CONTAINER  L CONTAINER LIFT SLING  S EQUIPMENT  HANDLING STANDS (VC Type)  MIN (inc HAMMERLOCK)  INN (inc HAMMERLOCK)  INN (inc HOOK, HAMMERLOCK & SHACKLE)  BASKETS (80 1 METER SAMPLES PER BASKET)  C CONSUMABLES  C CONSUMABLES  C C CONTROL EQUIPMENT  | 6M      | 1<br>1<br>1<br>1<br>1<br>2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2                          |
| CONTRO<br>CONTRO<br>BARREL<br>BASE +.<br>CORIN<br>POT<br>POT<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>CORIN<br>BARREL<br>1005<br>CORIN<br>BARREL<br>205<br>CORIO<br>BARREL<br>205<br>CORIO<br>295<br>COREC<br>295<br>COREC<br>295<br>COREC<br>295<br>COREC<br>20304<br>CUTTIN<br>2150<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2148<br>PENETR<br>2150<br>PENETR<br>2148<br>PENETR<br>205<br>COREC<br>205<br>PENETR<br>2148<br>PENETR<br>2150<br>PENETR<br>2150<br>PENETR<br>2168<br>PENETR<br>2168<br>PENETR<br>2170<br>PENETR<br>2170<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2170<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PENETR<br>2180<br>PEN | bl CONTAINER       bl         bl CONTAINER LIFT SLING       bl         SEQUIPMENT       bl         HANDLING STANDS (VC Type)       bl         MIN LEGS       bl         (SUPPORT)       bl         AIN (inc HAMMERLOCK)       bl         AINS (inc HOOK, HAMMERLOCK & SHACKLE)       bl         BASKETS (80 1 METER SAMPLES PER BASKET)       bl         SCONSUMABLES       bl         LACK       bl         ELLOW       bl         ATION SPRING (NEW TYPE)       bl         ATION SPRING PROTECTIVE END RUBBER       bl         STANDARD       bl         LEATHER       cope (3M LONGER THAN BARRELS)         CE CONTROL EQUIPMENT       bl   | 6M      | 1<br>1<br>1<br>1<br>2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2<br>2<br>2<br>2<br>2           |
| CONTRO<br>CONTRO<br>BAREL<br>BAREL<br>BAREL<br>CHAINS<br>POT<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>LINER<br>56<br>CORIN<br>BARREL<br>LINER<br>56<br>CAPS - I<br>705<br>CAPS - Y<br>295<br>CORE C<br>304<br>CUTTIN<br>2150<br>PENETR<br>2148<br>PENETR<br>163<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>CARS - I<br>0<br>CORE C<br>304<br>CAPS - I<br>0<br>CAPS - V<br>295<br>CORE C<br>304<br>CAPS - I<br>0<br>ENETR<br>2149<br>PENETR<br>163<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>PISTON<br>568<br>CAPS - I<br>0<br>CAPS - V<br>CAPS - V<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>408<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>409<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE<br>400<br>CORE   | DL CONTAINER LIFT SLING         S EQUIPMENT         HANDLING STANDS (VC Type)         IM LEGS         (SUPPORT)         NIN (inc HAMMERLOCK)         AINS (inc HOOK, HAMMERLOCK & SHACKLE)         BASKETS (80 1 METER SAMPLES PER BASKET)         S CONSUMABLES         LACK         ELLOW         ATCHER         S HOE         ATION SPRING (NEW TYPE)         ATION SPRING PROTECTIVE END RUBBER         STANDARD         LEATHER         ROPE (3M LONGER THAN BARRELS)   | 6M      | 1<br>1<br>1<br>2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2                             |
| CORIN           BARREL           BASE +.           CHAINS           POT           POT           POT CH.           TRIP CH.           SAMPLE           SAMPLE           CORIN           BARREL           LINER           CORIN           BARREL           LINER           56           CAPS - 5           705           CAPS - 7           295           CORE CORE C           304           CUTTIN           2150           PENETR           163           PISTON           581           PISTON           581           PISTON           568           PISTON           SURFA           VC STAF           SURFA           DECK LE           DECK LE     <  | <b>3 EQUIPMENT</b> HANDLING STANDS (VC Type)         IM LEGS         (SUPPORT)         INN (inc HAMMERLOCK)         AINS (inc HOOK, HAMMERLOCK & SHACKLE)         BASKETS (80 1 METER SAMPLES PER BASKET) <b>3 CONSUMABLES</b> ILACK         ELLOW         ATTON SPRING (NEW TYPE)         ATION SPRING (NEW TYPE)         ATION SPRING PROTECTIVE END RUBBER         STANDARD         LEATHER         ROPE (3M LONGER THAN BARRELS)   | 6M      | 1<br>1<br>2<br>1<br>1<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2  |
| BARREL         BAREL           BASE +.         CHAINS           POT         POT CH           POT CH         FOT CH           TRIP CH         SAMPLE           SAMPLE         SAMPLE           CORIN         BARREL           LINER         LINER           705         CAPS - 1           295         CORE C           304         CUTTIN           2150         PENETR           163         PISTON           561         PISTON           563         VIC STAF           SURFA         VC STAF           SURFA         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           0         DECK LE <td< td=""><td>HANDLING STANDS (VC Type)<br/>M LEGS<br/>(SUPPORT)<br/>NIN (inc HAMMERLOCK)<br/>AINS (inc HOOK, HAMMERLOCK &amp; SHACKLE)<br/>BASKETS (80 1 METER SAMPLES PER BASKET)<br/>3 CONSUMABLES<br/>CLACK<br/>ELLOW<br/>ATCHER<br/>S SHOE<br/>ATION SPRING (NEW TYPE)<br/>ATION SPRING (NEW TYPE)<br/>ATION SPRING PROTECTIVE END RUBBER<br/>STANDARD<br/>LEATHER<br/>ROPE (3M LONGER THAN BARRELS)<br/>CE CONTROL EQUIPMENT</td><td>6M</td><td>1<br/>2<br/>1<br/>2<br/>SUPPLIED BY OTH<br/>5<br/>20<br/>100<br/>100<br/>20<br/>5<br/>5<br/>10<br/>6<br/>2<br/>2<br/>2<br/>2</td></td<>   | HANDLING STANDS (VC Type)<br>M LEGS<br>(SUPPORT)<br>NIN (inc HAMMERLOCK)<br>AINS (inc HOOK, HAMMERLOCK & SHACKLE)<br>BASKETS (80 1 METER SAMPLES PER BASKET)<br>3 CONSUMABLES<br>CLACK<br>ELLOW<br>ATCHER<br>S SHOE<br>ATION SPRING (NEW TYPE)<br>ATION SPRING (NEW TYPE)<br>ATION SPRING PROTECTIVE END RUBBER<br>STANDARD<br>LEATHER<br>ROPE (3M LONGER THAN BARRELS)<br>CE CONTROL EQUIPMENT  | 6M      | 1<br>2<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>5<br>10<br>6<br>2<br>2<br>2<br>2   |
| BASE +.           CHAINS           POT           SARPLE           CORIN           BARREL           LINER           56           705           CAPS - 1           295           CORE           304           CUTTIN           2150           PENETR           163           PISTON           581           PISTON           568           PISTON           SURFA           VC STAF           SURFA           VC STAF           SURFA           DECK LE   | IM LEGS (SUPPORT) (SUPPORT) (Inc HOOK, HAMMERLOCK) AINS (Inc HOOK, HAMMERLOCK & SHACKLE) BASKETS (80 1 METER SAMPLES PER BASKET)  G CONSUMABLES (LACK ELLOW ATCHER S SHOE ATION SPRING (NEW TYPE) ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS)  CE CONTROL EQUIPMENT  | 6M      | 1<br>2<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>5<br>10<br>6<br>2<br>2<br>2<br>2   |
| CHAINS<br>POT<br>POT CH.<br>IRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>LINER<br>56 CAPS -1<br>295 CORE C<br>304 CUTTIW<br>2150 PENETR<br>2148 PENETR<br>2148 PENETR<br>163 PISTON<br>581 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>568 DISTON<br>568 COSTH<br>CCRLE<br>DECK LE<br>DECK LE   | (SUPPORT)  IN (inc HAMMERLOCK)  IN (inc HOOK, HAMMERLOCK & SHACKLE) BASKETS (80 1 METER SAMPLES PER BASKET)  CONSUMABLES  CONSUMABLES  CONSUMABLES  CE CONTROL EQUIPMENT   | 6M      | 2<br>1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>5<br>10<br>6<br>2<br>2<br>2  |
| CHAINS<br>POT<br>POT CH.<br>TRIP CH<br>SAMPLE<br>CORIN<br>BARREL<br>LINER<br>56 CAPS -1<br>295 CORE C<br>304 CUTTIW<br>2150 PENETR<br>2148 PENETR<br>163 PISTON<br>581 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>568 DISTON<br>568 CORE<br>CABLE<br>CORECK<br>CABLE<br>DECK LE<br>DECK LE  | (SUPPORT)  IN (inc HAMMERLOCK)  IN (inc HOOK, HAMMERLOCK & SHACKLE) BASKETS (80 1 METER SAMPLES PER BASKET)  CONSUMABLES  CONSUMABLES  CONSUMABLES  CE CONTROL EQUIPMENT   | 6M      | 1<br>1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>5<br>10<br>6<br>2<br>2<br>2   |
| POT CH.<br>TRIP CH.<br>SAMPLE<br>SAMPLE<br>CORIN<br>BARREL<br>LINER<br>56 CAPS - E<br>705 CAPS - E<br>705 CAPS - CORE C<br>304 CUTTIN<br>2150 PENETR<br>163 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>568 SURFA<br>VC STAF<br>SURFA<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>CABLE<br>68 EO 51H4<br>615 EO BH1<br>395 EO CABI<br>CABLE<br>68 EO 51H4<br>615 EO BH1<br>395 EO CABI<br>CABLE<br>1217 PWR - 2<br>499 PWR - 4<br>429 PWR - 4<br>429 PWR - 4<br>432 HEATSH<br>519 HEATSH   | AINS (Inc HOOK, HAMMERLOCK & SHACKLE)<br>BASKETS (80 1 METER SAMPLES PER BASKET)<br>G CONSUMABLES<br>CONSUMABLES<br>LACK<br>LACK<br>ELACK<br>ELACK<br>ELACK<br>ELACK<br>TTCHER<br>S SHOE<br>ATION SPRING (NEW TYPE)<br>ATION SPRING (NEW TYPE)<br>ATION SPRING PROTECTIVE END RUBBER<br>STANDARD<br>LEATHER<br>ROPE (3M LONGER THAN BARRELS)<br>CE CONTROL EQUIPMENT   | 6M      | 1<br>2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>20<br>5<br>5<br>10<br>6<br>2<br>2<br>2   |
| TRIP CH           SAMPLE           SAMPLE           SAMPLE           BARREL           LINER           56           705           295           CORE C           304           CUTTIN           2150           PENETR           2153           PENETR           163           PISTON           568           PISTON           568           VC STAF           OECK LE           DECK LE           DE   | AINS (Inc HOOK, HAMMERLOCK & SHACKLE)<br>BASKETS (80 1 METER SAMPLES PER BASKET)<br>G CONSUMABLES<br>CONSUMABLES<br>LACK<br>LACK<br>ELACK<br>ELACK<br>ELACK<br>ELACK<br>TTCHER<br>S SHOE<br>ATION SPRING (NEW TYPE)<br>ATION SPRING (NEW TYPE)<br>ATION SPRING PROTECTIVE END RUBBER<br>STANDARD<br>LEATHER<br>ROPE (3M LONGER THAN BARRELS)<br>CE CONTROL EQUIPMENT   | 6M      | 2<br>SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>5<br>10<br>6<br>2<br>2<br>2   |
| SAMPLE<br>SAMPLE<br>BARRL<br>LINER<br>56 CAPS - 1<br>705 CAPS - 1<br>295 CORE C<br>304 CUTTIN<br>2150 PENETR<br>2148 PENETR<br>2148 PENETR<br>163 PISTON<br>581 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>568 DISTON<br>568 DISTON<br>5   | BASKETS (80 1 METER SAMPLES PER BASKET)  | 6M      | SUPPLIED BY OTH<br>5<br>20<br>100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2   |
| CORIN           BARREL           LINER           56         CAPS - E           705         CAPS - 1           295         CORE C           304         CUITINX           2150         PENETR           163         PISTON           568         PISTON           568         PISTON           SURFA         VC STAF           VC STAF         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           0 DECK LE         DECK LE           10 DECK LE         DECK LE           0 DECK LE         DECK LE           0 DECK LE         DECK LE           0 DECK LE         DECK LE  | A CONSUMABLES  | 6M      | 5<br>20<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2   |
| BARREL           LINER           56         CAPS - I           705         CAPS - I           295         CORE C           304         CUTTIN           2150         PENETR           163         PISTON           581         PISTON           568         PISTON           501         SURFA           VC STAF         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           0 DECK LE         DECK LE           1 395         EO CABIE           408         EO CABIE           408         EO CABIE           408         EO CABIE           4123         PWR-2           4481         PWR-2 <td>LACK  ELLOW  TCHER SHOE ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS)  CE CONTROL EQUIPMENT</td> <td>6M</td> <td>20<br/>100<br/>20<br/>5<br/>10<br/>6<br/>2<br/>2<br/>2</td>   | LACK  ELLOW  TCHER SHOE ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS)  CE CONTROL EQUIPMENT  | 6M      | 20<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2  |
| BARREL           LINER           56         CAPS - I           705         CAPS - I           295         CORE C           304         CUTTIN           2150         PENETR           163         PISTON           581         PISTON           568         PISTON           501         SURFA           VC STAF         DECK LE           DECK LE         DECK LE           0         DECK LE           1395         EO CABI           408   | LACK  ELLOW  TCHER SHOE ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS)  CE CONTROL EQUIPMENT  | 6M      | 20<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2  |
| LINER           56         CAPS - E           705         CAPS - Y           295         CORE C           304         CUTTIN           2150         PENETR           2148         PENETR           163         PISTON           581         PISTON           568         PISTON           SURFA         VC STAF           DECK LE         DECK LE           0FCK LE         DECK LE           1395         EO CABIE           408         EO  | ELLOW     Itelevice       ATCHER     Itelevice       SHOE     Itelevice       ATION SPRING (NEW TYPE)     Itelevice       ATION SPRING PROTECTIVE END RUBBER     Itelevice       STANDARD     Itelevice       LEATHER     Itelevice       ROPE (3M LONGER THAN BARRELS)     Itelevice       CE CONTROL EQUIPMENT     Itelevice   | 6M      | 20<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2  |
| 56         CAPS - F           705         CAPS - T           295         CORE C           304         CUTTINN           2150         PENETR           2148         PENETR           163         PISTON           581         PISTON           568         PISTON           SURFA           VC STAF           DECK LE           205           PVR 2           481           PVR 2           481           PVR 2           499           PVR 4  | ELLOW     Itelevice       ATCHER     Itelevice       SHOE     Itelevice       ATION SPRING (NEW TYPE)     Itelevice       ATION SPRING PROTECTIVE END RUBBER     Itelevice       STANDARD     Itelevice       LEATHER     Itelevice       ROPE (3M LONGER THAN BARRELS)     Itelevice       CE CONTROL EQUIPMENT     Itelevice   |         | 100<br>100<br>20<br>5<br>10<br>6<br>2<br>2<br>2   |
| 705         CAPS - N           295         CORE C           304         CUTTIN           2150         PENETR           2148         PENETR           163         PISTON           581         PISTON           568         PISTON           SURFA         VC STAF           VC STAF         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           0 DECK LE         DECK LE           1 395         EO CABI           408         EO CABI           1 23         PWR-2           499         PWR-2           499         PWR-4           422         PWR-4           468         PWR-4           432         HEATSH           1691  | ELLOW     Itelevice       ATCHER     Itelevice       SHOE     Itelevice       ATION SPRING (NEW TYPE)     Itelevice       ATION SPRING PROTECTIVE END RUBBER     Itelevice       STANDARD     Itelevice       LEATHER     Itelevice       ROPE (3M LONGER THAN BARRELS)     Itelevice       CE CONTROL EQUIPMENT     Itelevice   | 9 meter | 100<br>20<br>5<br>10<br>6<br>2<br>2<br>2  |
| 295 CORE C<br>304 CUTTIN<br>2150 PENETR<br>2148 PENETR<br>163 PISTON<br>581 PISTON<br>588 PISTON<br>568 PISTON<br>568 CORE<br>SURFA<br>VC STA<br>VC STA<br>VC STA<br>0ECK LE<br>0ECK LE   | ATCHER ATOM SPRING (NEW TYPE) ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER COPE (3M LONGER THAN BARRELS) CE CONTROL EQUIPMENT   | 9 meter | 20<br>5<br>10<br>6<br>2<br>2  |
| 304         CUTTING           2150         PENETR           2148         PENETR           163         PISTON           581         PISTON           568         PISTON           SURFA           VC STAF           DECK LE         DECK LE           0         DECK LE           1395         EO CABIE           408         EO CABIE           123         PWR2           386         PWR3           429         PWR4 <tr< td=""><td>S SHOE ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS) CE CONTROL EQUIPMENT</td><td>9 meter</td><td>5<br/>10<br/>6<br/>2<br/>2</td></tr<>   | S SHOE ATION SPRING (NEW TYPE) ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS) CE CONTROL EQUIPMENT  | 9 meter | 5<br>10<br>6<br>2<br>2  |
| 2150 PENETR<br>2148 PENETR<br>163 PISTON<br>581 PISTON<br>588 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>500   | ATION SPRING (NEW TYPE)<br>ATION SPRING PROTECTIVE END RUBBER<br>STANDARD<br>LEATHER<br>ROPE (3M LONGER THAN BARRELS)<br>CE CONTROL EQUIPMENT  | 9 meter | 10<br>6<br>2<br>2   |
| 2148 PENETR<br>163 PISTON<br>581 PISTON<br>568 PISTON<br>568 PISTON<br>568 PISTON<br>VC STAH<br>VC STAH<br>0ECK LE<br>0ECK LE<br>0E  | ATION SPRING PROTECTIVE END RUBBER STANDARD LEATHER ROPE (3M LONGER THAN BARRELS) CE CONTROL EQUIPMENT   | 9 meter | 6<br>2<br>2   |
| 163         PISTON           581         PISTON           581         PISTON           568         PISTON           VC STAF         VC STAF           DECK LE         DECK LE           DECK LE         DECK LE           0         DECK LE           1395         EO CABI           0         DECK LE           123         PWR 2           123         PWR 4           429         PWR 4           0         CABLE           432         HEATSH     <   | STANDARD STA | 9 meter | 2 2   |
| 581         PISTON           568         PISTON           568         PISTON           SURFA         VC STAF           VC STAF         DECK LE           DECK LE         DECK LE           DECK LE         DECK LE           0ECK LE         DECK LE           68         EO CABIE           408         EO CABIE           123         PWR 4           429         PVWR 4           429         PVR 4           468         PWR 4           432         HEATSH           432         HEATSH           1691         HEATSH  | LEATHER COPE (3M LONGER THAN BARRELS) CE CONTROL EQUIPMENT   | 9 meter | 2   |
| 568         PISTON           SURFA         VC STAF           VC STAF         DECK LE           DECK LE         DECK LE           S05         FOVR2           481         PWR2           217         PVRR2           499         PWR4           123         PWR4           468         PWR4           432         HEATSH           432         HEATSH           1691         HEATSH  | ROPE (3M LONGER THAN BARRELS) CE CONTROL EQUIPMENT   | 9 meter |   |
| SURFA           VC STAF           DECK LE           CABLE           68           EO CABI           408           EO CABI           ELECT           505           PWR 2           217           PWR 4           429           PWR 4           468           PWR - 4           429           PWR - 4           429           PWR  | CE CONTROL EQUIPMENT   | 9 meter | 4   |
| VC STAF<br>SURFA<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>CABLE<br>68 E0 51H4<br>615 E0 B4H<br>395 E0 CABL<br>408 E0 CABL<br>CABLE<br>431 PWR2<br>499 PWR4<br>429 PWR4<br>468 PWR2<br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH   |  |         |   |
| VC STAF<br>SURFA<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>CABLE<br>68 E0 51H4<br>615 E0 6H1<br>395 E0 CABL<br>408 E0 CABL<br>409 PWR2<br>499 PWR4<br>429 PWR4<br>468 PWR2<br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH  |  |         |   |
| VC STAF<br>SURFA<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>CABLE<br>68 E0 51H4<br>615 E0 6H1<br>395 E0 CABL<br>408 E0 CABL<br>409 PWR2<br>499 PWR4<br>429 PWR4<br>468 PWR2<br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH  |  |         |   |
| SURFA           DECK LE           CABLE           68           EO CABI           408           ELECT           505           PVR 2           481           PVR 2           481           PVR 4           429           PVR 4           468           PVR 4           468           EABLE           432           HEATSH           1691  | TER BOX  |         |   |
| DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>CABLE<br>68 EO 51H4<br>615 EO 6AH<br>408 EO CABL<br>408 EO CABL<br>ELECT<br>505 PWR2<br>481 PVR2<br>217 PWR2<br>386 PWR2<br>489 PWR4<br>123 PWR4<br>429 PWR4<br>468 PVR2<br>432 HEATSH<br>519 HEATSH  |  |         | 1   |
| DECK LE<br>DECK LE<br>DECK LE<br>DECK LE<br>CABLE<br>68 EO 51H4<br>615 EO 6AH<br>408 EO CABL<br>408 EO CABL<br>ELECT<br>505 PWR2<br>481 PVR2<br>217 PWR2<br>386 PWR2<br>489 PWR4<br>123 PWR4<br>429 PWR4<br>468 PVR4<br>468 PWR4<br>468 PWR4  |  |         |   |
| DECK LE           DECK LE           DECK LE           DECK LE           68           615           EO CABLE           408           ELECT           505           PVR2           481           PVR2           386           PVR2           499           PVR4           429           PVR4           468           PVR4           468           PVR5           19           HEATSH           1691   | CE DECK LEADS  |         |   |
| DECK LE           DECK LE           DECK LE           DECK LE           CABLE           68         EO 51H           615         EO 6H           395         EO CABL           408         EO CABL           505         PWR2           481         PWR2           386         PWR2           386         PWR4           429         PWR4           429         PWR4           432         HEATSH           519         HEATSH           1691         HEATSH   | AD 220V Length required - 20M  |         | 1   |
| DECK LE           68         EO 51H4           615         EO 6H1           395         EO CABLE           408         EO CABLE           505         PWR2           481         PWR2           217         PWR2           386         PWR2           499         PWR4           429         PWR4           468         PWR4           432         HEATSH           519         HEATSH           1691         HEATSH  | AD 440V Length required - 20M  |         | 11  |
| CABLE           68         EO 51H4           615         EO 8H 1           395         EO CABI           408         EO CABI           408         EO CABI           505         PVR-2           481         PVR-2           386         PVR-2           499         PVR-4           123         PVR-4           468         PVR-4           429         PVR-4           468         PVR-4           4519         HEATSH           1691         HEATSH  | AD FROM HPC STARTER BOX TO UMBILICAL WINCH   |         | 11  |
| 68         EO 51H4           615         EO B/H 1           395         EO CABI           408         EO CABI           505         PWR2           481         PWR2           217         PWR2           386         PWR2           499         PWR4           429         PWR4           468         PWR4           519         HEATSH           1691         HEATSH   | AD FROM 440V CONTAINER SUPPLY TO UMBILICAL WINCH   |         | 11  |
| 68         EO 51H4           615         EO B/H 1           395         EO CABI           408         EO CABI           505         PWR2           481         PWR2           217         PWR2           386         PWR2           499         PWR4           429         PWR4           468         PWR4           519         HEATSH           1691         HEATSH   |  |         |   |
| 615         EO B/H 1           395         EO CAB           408         EO CAB           505         PVR2           481         PVR2           217         PVR2           489         PVR2           499         PVR4           123         PVR4           468         PVR4           459         PVR4           123         PVR4           123         PVR4           468         PVR5           519         HEATSH           1691         HEATSH  | S (UK STANDARD)  |         |   |
| 395         EO CABI           408         EO CABI           ELECT         ELECT           505         PVR2           481         PWR2           386         PVR2           499         PWR4           423         PVR4           468         PVR4           432         HEATSH           519         HEATSH           1691         HEATSH   | F-1 MOULDED TO 51H4M-1 8M LONG   |         | 1   |
| 408 EO CAB<br>EO CAB<br>ELECT<br>505 PWR 2<br>481 PVR 2<br>217 PVR 2<br>386 PWR 2<br>499 PVR 4<br>123 PVR 4<br>123 PVR 4<br>429 PWR 4<br>468 PVR 4<br>468 PVR 4<br>519 HEATSH<br>1691 HEATSH  | IALE 53H4M-1   |         | 2   |
| ELECT           505         PVR 2           481         PWR 2           217         PVR 2           386         PVR 2           499         PVR 4           123         PWR 4           468         PWR 4           468         PWR 4           519         HEATSH           1691         HEATSH  | E TAIL FEMALE 51H4F-1  |         | 2   |
| 505         PWR 2           481         PVR 2           217         PVR 2           386         PWR 2           499         PVR 4           123         PWR 4           429         PVR 4           468         PWR 4           519         HEATSH           519         HEATSH           1691         HEATSH   | E TAIL MALE 51H4M-1  |         | 1   |
| 505         PWR 2           481         PVR 2           217         PVR 2           386         PWR 2           499         PVR 4           123         PWR 4           429         PVR 4           468         PWR 4           519         HEATSH           519         HEATSH           1691         HEATSH   |  |         |   |
| 505         PWR 2           481         PVR 2           217         PVR 2           386         PWR 2           499         PVR 4           123         PWR 4           429         PVR 4           468         PWR 4           519         HEATSH           519         HEATSH           1691         HEATSH   |  |         |   |
| 481         PWR 2           217         PWR 2           386         PWR 2           499         PWR 4           123         PWR 4           429         PWR 4           468         PWR 4           432         HEATSH           519         HEATSH           1691         HEATSH   | RICAL PLUGS/SOCKETS (UK STANDARD)  |         |   |
| 217 PWR 2<br>386 PWR 2<br>499 PWR 4<br>123 PWR 4<br>429 PWR 4<br>468 PWR 4<br><b>CABLE</b><br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH   | 20V 16A PLUG 2P+E  |         | 1   |
| 386         PWR 2           499         PWR 4           123         PWR 4           429         PWR 4           468         PWR 4   | 20V 16A SOCKET 2P+E  |         | 1   |
| 499 PWR 4<br>123 PWR 4<br>429 PWR 4<br>468 PWR 4<br><b>CABLE</b><br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH   | 20V 32A PLUG 2P+E  |         | 1   |
| 123         PWR 4           429         PWR 4           468         PWR 4           CABLE           432         HEATSH           519         HEATSH           1691         HEATSH   | 20V 32A SOCKET 2P+E  |         | 1   |
| 429 PWR 4<br>468 PWR 4<br><b>CABLE</b><br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH   | 15V 32A PLUG 3P +E   |         | 2   |
| 468 PWR 4 CABLE 432 HEATSH 519 HEATSH 1691 HEATSH   | 15V 32A PLUG 3P, N+E   |         | 2   |
| CABLE<br>432 HEATSH<br>519 HEATSH<br>1691 HEATSH  | 15V 32A SOCKET 3P + E  |         | 2   |
| 432 HEATSH<br>519 HEATSH<br>1691 HEATSH   | 15V 32A SOCKET 3P,N + E  |         | 2   |
| 432 HEATSH<br>519 HEATSH<br>1691 HEATSH   |  |         |   |
| 519 HEATSH<br>1691 HEATSH   | REPAIR   |         |   |
| 519 HEATSH<br>1691 HEATSH   | RINK JOINT KIT 4 -10mm CABLE   | SPS659  | 6   |
| 1691 HEATSH   | RINK JOINT KIT 0.5 - 1.5mm CABLE   | SPS165  | 6   |
|   | RINK KIT (VARIOUS SIZE'S)  | 397-679 | 1   |
| 2074 LARGE F  |  | 331-013 | 2   |
| 1   | IEATSHRINK (UMBILICAL TERMINATION)   |         | ۷.  |
| MECHA   | NICAL  |         |   |
|   |  |         | 20  |
|   |  |         | 30  |
|   | LANGE - 1/2" UNF (6 PER BARREL)  |         | 30  |
| KELLUM  | FLANGE - 1/2" UNF (6 PER BARREL)   |         | 2   |
|   |  |         | 1   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)   |         | 8   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           3 CLEAT (2 PARTS)  |         | 1   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           © CLEAT (2 PARTS)           STRAPS   |         | 3   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           c CLEAT (2 PARTS)           STRAPS           D (SPARE)   |         | 10  |
|   | FLANGE - 1/2' UNF (6 PER BARREL)           GRIP (size required)           3 CLEAT (2 PARTS)           STRAPS           AD (SPARE)           JDING BASE (HPC)   |         | BAG   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           G CLEAT (2 PARTS)           STRAPS           D(SPARE)           DLDING BASE (HPC)           NCH  |         | BAG2  |
| 173 O-RING  | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           © CLEAT (2 PARTS)           STRAPS           AD (SPARE)           DLDING BASE (HPC)           YNCH           NS (VARIOUS SIZES)  |         | ۷   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           G CLEAT (2 PARTS)           STRAPS           D(SPARE)           DLDING BASE (HPC)           NCH  |         |   |
|   | FLANGE - 1/2" UNF (6 PER BARREL)           GRIP (size required)           © CLEAT (2 PARTS)           STRAPS           AD (SPARE)           DLDING BASE (HPC)           YNCH           NS (VARIOUS SIZES)  |         |   |

1

## EQUIPMENT ROUTING DOCUMENT - VIBROCORE

| Asset<br>Number   | Description  | Plant<br>No.  | Qty<br>Min   |
|---|--|---|--|
|   | TOOLS  |   |  |
| 134   | ALLEN KEY SET 9 PC METRIC 1.5 - 10mm   |   | 1 2  |
| 792<br>711  | CHAIN WRENCH 12 INCH<br>CHAIN WRENCH 24 INCH   |   | 1  |
| /11   | CRIMP TOOL BOOTLACE  |   | 1  |
| 2031  | CRIMP TOOL (JOINT KITS)  |   | 1  |
| 1932  | CRIMP TOOL RATCHET RED/BL/YEL  |   | 1  |
| 1930  | CROW BAR 18 INCH   |   | 1  |
| 647   | CUTTERS SIDE 160MM   |   | 2  |
| 1936  | DRAIN ROD SET  |   | 1  |
| 618   | EXTENSION BAR 150mm  |   | 1  |
| 1992  | FILE SET 3 PIECE   |   | 1  |
| 118   | FUNNEL SET   |   | 1  |
| 235   | GRIPS MOLE   |   | 1  |
|   | GRIPS MOLE LONG NOSE   |   | 1  |
| 177   | HACKSAW  |   | 2  |
| 570   | HACKSAW BLADES   |   | 30   |
| 209   | HAMMER BALL PAIN   |   | 1  |
| 727   | HAMMER LUMP  |   | 1  |
| 1996  | HAMMER RUBBER  |   | 1  |
| 622   | HEAT GUN 110V  |   | 1  |
| 413   | PLIERS (COMBI) 200MM   |   | 2  |
| 313   | PLIERS LONG NOSE 200MM   |   | 1  |
| 2000  | PODGER / PRY BAR SET   |   | 1  |
| 708   | PUNCH SET (LONG DRIVE PIN )  |   | 1  |
| 140   | PRICE PULLER   |   | 2  |
| 1517  | RATCHET STRAPS 8M WITH CLAW HOOK   |   | 8  |
| 799   | SCREWDRIVER SET-ELECT. (8pc)   |   | 1  |
| 760   | SCREWDRIVER SET-ENG. (8 pc)  |   | 1  |
| 502   | SCREWDRIVER SET-PRECISION (6pc)  |   | 1  |
| 724   | SOCKET RATCHET DRIVE (1/2" SQ. DRIVE)  |   | 2  |
| 2005  | SOCKET SET METRIC 24 PIECE   |   | 1  |
| 450   | SOCKET 19MM  |   | 2  |
| 79  | SPANNER ADJUSTABLE 6 INCH  |   | 1  |
| 187   | SPANNER ADJUSTABLE 12 INCH   |   | 2  |
| 794   | SPANNER 19mm   |   | 2  |
| 2012  | SPANNER SET 24 PIECE   |   | 1  |
| 685   | STANLEY BLADES   |   | 10   |
| 603   | STANLEY KNIFE RETRACTABLE  |   | 2  |
|   | SPILT-PIPE TOOL FOR EO   |   | 1  |
| 6   | TORCH  |   | 1  |
| 394   | STILSONS 24 INCH   |   | 1  |
| 458   | TAPE MEASURE 8 METER   |   | 2  |
| 221   | WIRE BRUSH   |   | 2  |
| 696   | WIRE STRIPPERS METRIC 150MM  |   | 1  |
|   |  |   |  |
|   | DANGEROUS GOODS (COSHH CHEST)  |   |  |
| 2087  | AIR DUSTER (AMBERSIL)  | YES / NO  | 1  |
| 202   | IPA (RS)   | YES / NO  | 2  |
| 809   | EMC PRIMER (PR41)  | YES / NO  | 1  |
| 698   | SILICONE OIL SPRAY (RS)  | YES / NO  | 2  |
| 435   | SKOTCHKOTE (3M)  | YES / NO  | 2  |
| 88  | WD40   | YES / NO  | 2  |
|   |  |   |  |
|   | LUBRICANTS & OTHER CHEMS   |   |  |
| 128   | AQUA SHIELD LUBE   | YES / NO  | 1  |
| 1683  |  |   | 1  |
|   | GREASE TUBE (RENOLIT EP2)  | YES / NO  |  |
| 642   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)  | YES / NO  | 3  |
| 642<br>808  | GREASE TUBE (RENOLIT EP2)  |   |  |
|   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date   | YES / NO  | 3  |
|   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)  | YES / NO  | 3  |
|   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date   | YES / NO  | 3  |
| 808   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED   | YES / NO<br>YES / NO  | 3<br>15  |
| 808   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE  | YES / NO<br>YES / NO  | 3<br>15<br>1   |
| 808   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS  | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTHI   |
| 808   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE  | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146  | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OLT PROOF - SUMO<br>GLOVES - IMPRACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704   | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OLT PROOF - SUMO<br>GLOVES - IMPRACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715                                      | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - INSPOSABLE - NITRIL<br>GLOVES - INSPOSABLE - NITRIL<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715                                      | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715                                      | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OLT PROOF - SUMO<br>GLOVES - IMPROT - NITRIL<br>GLOVES - IMPRACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>UFEJACKET CREWSAVER 275N   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715                                      | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - INEPROST - SUMO<br>GLOVES - INEPROST - NITRIL<br>GLOVES - INEPROST - NITRIL<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715                                      | GREASE TUBE (RENOLIT EP2) SILICONE GREASE (RS) EMC 85 (150gr) 15 Per Termination Check use by Date OILS OIL - HYDRAULIC TYPE TO BE CONFIRMED PPE FOUL WEATHER SUITS GLOVES - CUT PROOF - SUMO GLOVES - DISPOSABLE - NITRIL GLOVES - TMPRACT HEAVY DUTY GLOVES - TMERMAL ICE EXTREME GLOVES - WATER PROOF - HYD TUF HARD HAT LIFEJACKET CREWSAVER 275N LIFEJACKET CREWSAVER 275N LIFEJACKET CREWSAVER 275N  | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715                                      | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - HAPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N  | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445                               | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OLT PROOF - SUMO<br>GLOVES - IMEPOABLE - NITRIL<br>GLOVES - IMEPOABLE - NITRIL<br>GLOVES - IMEPACH HEAVY DUTY<br>GLOVES - THERAWAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518                | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES TINTED   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365                        | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518                | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OLT PROOF - SUMO<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES TINTED<br>WATER PROOF TROUSERS AND JACKET   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518                | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OLT PROOF - SUMO<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES TINTED<br>WATER PROOF TROUSERS AND JACKET   | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518                | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - IDBPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES<br>SAFETY<br>LOCKOUT PLUG GUARD  | YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518<br>193         | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OUT PROOF - SUMO<br>GLOVES - IMPRACT HEAVY DUTY<br>GLOVES - IMPRACT HEAVY DUTY<br>GLOVES - MATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES SINTED<br>WATER PROOF TROUSERS AND JACKET<br>WINTER COAT  | YES/NO<br>YES/NO<br>YES/NO<br>YES/NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH  |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518<br>193<br>1515 | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - IDBPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES<br>SAFETY<br>LOCKOUT PLUG GUARD  | YES / NO<br>YES / NO<br>YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518<br>193<br>1515 | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OUT PROOF - SUMO<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - MATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY<br>LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD | YES / NO<br>YES / NO<br>YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518<br>193<br>1515 | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IDBPOST HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES<br>SAFETY GLASSES TINTED<br>WATER PROOF TROUSERS AND JACKET<br>WINTER COAT<br>SAFETY<br>LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD   | YES / NO<br>YES / NO<br>YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTHI<br>SUPPLIED BY OTHI<br>1<br>1 |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518<br>193<br>1515 | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - DISPOSABLE - NITRIL<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - THERMAL ICE EXTREME<br>GLOVES - WHATEN RPROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY GLASSES<br>SAFETY GLASSES<br>SAFETY GLASSES SINTED<br>WATER PROOF TROUSERS AND JACKET<br>WINTER COAT<br>SAFETY<br>LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>FIRST AID KIT<br>EYEWASH STATION   | YES / NO<br>YES / NO<br>YES / NO<br>YES / NO  | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |
| 808<br>141<br>2146<br>421<br>2147<br>1704<br>715<br>445<br>365<br>1518<br>193<br>1515 | GREASE TUBE (RENOLIT EP2)<br>SILICONE GREASE (RS)<br>EMC 85 (150gr) 15 Per Termination Check use by Date<br>OILS<br>OIL - HYDRAULIC TYPE TO BE CONFIRMED<br>PPE<br>FOUL WEATHER SUITS<br>GLOVES - CUT PROOF - SUMO<br>GLOVES - OUT PROOF - SUMO<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - IMPACT HEAVY DUTY<br>GLOVES - MATER PROOF - HYD TUF<br>HARD HAT<br>LIFEJACKET CREWSAVER 275N<br>LIFEJACKET CREWSAVER 275N<br>SAFETY<br>LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD<br>PADLOCK FOR LOCKOUT PLUG GUARD | YES / NO           RS 491-355           RS 432-9349 | 3<br>15<br>1<br>SUPPLIED BY OTH<br>SUPPLIED BY OTH   |

## EQUIPMENT ROUTING DOCUMENT - VIBROCORE

| Asset  | Description  | Plant   | Qty                |
|--------|--|---------|--------------------|
| Number | GENERAL CONSUMABLES                                    | No.     | Min                |
|        | LIFT KIT COLOUR CODE -                                 |         |                    |
| 591    | 3M 4T WEBBING STROP                                    |         | 1                  |
| 591    | 3M 4T WEBBING STROP                                    |         | 1                  |
| 591    | 3M 4T WEBBING STROP                                    |         | 1                  |
| 591    | 3M 4T WEBBING STROP                                    |         | 1                  |
| 1787   | 3M 2T WEBBING STROP                                    |         | 1                  |
| 1787   | 3M 2T WEBBING STROP                                    |         | 1                  |
| 48     | SAFETY SHACKLE 2T                                      |         | 1                  |
| 48     | SAFETY SHACKLE 2T                                      |         | 1                  |
| 48     | SAFETY SHACKLE 2T                                      |         | 1                  |
| 48     | SAFETY SHACKLE 2T                                      |         | 1                  |
| 72     | SAFETY SHACKLE 4.75T                                   |         | 1                  |
| 72     | SAFETY SHACKLE 4.75T                                   |         | 1                  |
| 72     | SAFETY SHACKLE 4.75T                                   |         | 1                  |
| 72     | SAFETY SHACKLE 4.75T                                   |         | 1                  |
| 91     | SAFETY SHACKLE 6.5T                                    |         | 11                 |
| 91     | SAFETY SHACKLE 6.5T                                    |         | 1                  |
| 91     | SAFETY SHACKLE 6.5T                                    |         | 1                  |
| 91     | SAFETY SHACKLE 6.5T                                    |         | 1                  |
| 92     | SAFETY SHACKLE 8.5T                                    |         | 1                  |
| 92     | SAFETY SHACKLE 8.5T                                    |         | 1                  |
| 92     | SAFETY SHACKLE 8.5T                                    |         | 1                  |
| 92     | SAFETY SHACKLE 8.5T                                    |         | 1                  |
|        | GENERAL CONSUMABLES                                    |         |                    |
| 166    | BAG - AGG (Large)                                      |         | 20                 |
| 198    | BAG - SAMPLE (Small)                                   |         | 100                |
| 398    | BATTERY PP3 9V   |         | 2                  |
| 461    | BATTERY AA   |         | 6                  |
| 1516   | COMBINATION PADLOCK SQUIRE (SPARE)                     |         | 1                  |
|        | LIGHT BULBS  |         | 6                  |
| 762    | PAPER TOWEL (BLUE ROLL)                                |         | 1                  |
|        | SPILL KIT  |         | 1                  |
|        | TAPE - DENSO (HYD FITTINGS)                            |         | 1                  |
| 17     | TAPE - DUCT (SILVER)                                   |         | 3                  |
| 477    | TAPE - PVC (BLACK)                                     |         | 50                 |
| 725    | TAPE - SELF-AMALGAMATING                               |         | 3                  |
| 559    | TYWRAPS 188mm x 4.8mm (SMALL)                          |         | 100                |
| 32     | TYWRAPS 225mm x 7.6mm (MEDIUM)                         |         | 100                |
| 746    | TYWRAPS 300mm x 9mm (LARGE)                            |         | 200                |
|        | OT A TION A DV   |         |                    |
| 565    | STATIONARY<br>NOTEBOOK - WATERPROOF                    |         | 3                  |
| 505    | PAPER A4 (REAM)  |         | 1                  |
|        | PEN - BLACK MARKER                                     |         | 10                 |
|        | PENCILS  |         | 10                 |
|        | PENS   |         | 10                 |
| 38     | STATUS LABEL GREEN                                     |         | 10                 |
| 401    | STATUS LABEL RED                                       |         | 20                 |
|        |  |         |                    |
|        | MANUALS AND DOCUMENTATION                              |         |                    |
|        | VC MANUAL  |         | 1                  |
|        |  |         |                    |
|        | CONTAINER JOB FILE<br>BLANK SITE FORMS (OPERATOR LOGS) |         | SUPPLIED BY OTHERS |
|        | EQUIPMENT MAINTENANCE/DEFECT FORMS                     |         | SUPPLIED BY OTHERS |
|        | HOC CARDS  | HOC_V03 | SUPPLIED BY OTHERS |
|        | IMS DISK (COSHH DATA)                                  | HOC_V03 | SUPPLIED BY OTHERS |
|        | LIFT PLAN FORMS  | SF404a  | SUPPLIED BY OTHERS |
|        | LIFTING TEST CERTIFICATES (PACK)                       | 01 1014 | 1                  |
|        | TOOL BOX TALK FORMS                                    | DF403a  | SUPPLIED BY OTHERS |
|        |  |         |                    |