



# SMAC 90-H Frameless Owners & Operators Manual



## SERVICE MAINTENANCE AIR COMPRESSOR – HYDRAULIC DRIVEN

Revision: 4  
Reviewed: 17/01/2024

**THIS PAGE IS LEFT  
BLANK  
INTENTIONALLY.**

**MEA Product Registration Form**

**THE ATTACHED FORM MUST BE COMPLETED  
AND  
RETURNED WITHIN 30 DAYS OF INSTALLATION**

**ALTERNATIVELY, PLEASE GO ONLINE AND  
COMPLETE WARRANTY FORM**

[www.mobileenergyaustralia.com.au/warranty-registration](http://www.mobileenergyaustralia.com.au/warranty-registration)



## MEA Product Registration Form

CUT HERE



**This form must be completed and returned to MEA at the time of Installation. This will assist MEA in processing the product in the unlikely event that a warranty claim is needed.**

### MEA Dealer Information

Company Name: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country : \_\_\_\_\_

### MEA Installer Information

Company Name: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country : \_\_\_\_\_

Installation Date:    \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
                                  Day    Month    Year

### Owner Information

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country : \_\_\_\_\_

Postcode: \_\_\_\_\_ Phone #: \_\_\_\_\_

### Product Information

MEA Serial Number: \_\_\_\_\_

Model Number: \_\_\_\_\_

## TABLE OF CONTENTS

<b>1. PRODUCT SAFETY .....</b>	<b>6</b>
<b>2. INTRODUCTION .....</b>	<b>8</b>
<b>3. SPECIFICATIONS .....</b>	<b>9</b>
<b>4. OPERATING PROCEDURE .....</b>	<b>10</b>
<b>5. INSTALLATION .....</b>	<b>11</b>
<b>6. SCHEDULE MAINTENANCE .....</b>	<b>12</b>
<b>7. TROUBLESHOOTING.....</b>	<b>13</b>
<b>8. SPARE PARTS.....</b>	<b>15</b>
<b>9. DRAWINGS &amp; ILLUSTRATIONS .....</b>	<b>16</b>
<b>10. WARRANTY .....</b>	<b>22</b>
<b>11. MOBILE ENERGY AUSTRALIA - CONTACTS .....</b>	<b>26</b>
<b>12. APPENDIX A – DESIGN REGISTRATION .....</b>	<b>27</b>
<b>13. APPENDIX B – FLUIDS &amp; MATERIAL SAFETY DATA SHEETS.....</b>	<b>28</b>

## 1. PRODUCT SAFETY

---

### (COMPRESSOR / COMPRESSED AIR)

**MEA DISCLAIMS ALL LIABILITIES FOR DAMAGE OR LOSS OF EQUIPMENT AND PROPERTY, PERSONAL INJURIES (INCLUDING DEATH), AND CONSEQUENTIAL DAMAGES ARISING OUT OF ANY MEA SYSTEM NOT USED IN ACCORDANCE WITH THE OPERATOR'S MANUAL.**

**ALL UNITS ARE SHIPPED WITH A DETAILED OPERATOR'S MANUAL. THIS MANUAL CONTAINS VITAL INFORMATION FOR THE SAFE USE AND EFFICIENT OPERATION OF THE UNIT. READ THE OPERATOR'S MANUAL BEFORE STARTING THE UNIT. FAILURE TO ADHERE TO THE INSTRUCTIONS COULD RESULT IN SERIOUS BODILY HARM OR PROPERTY DAMAGE.**

Care is required when working with an air compressor or compressed air. Compressed air is one of the many ways energy can be stored. Releasing the stored energy in an uncontrolled manner can result in catastrophic consequences. Death and permanent disability are possibilities that can occur due to misuse. The following are suggested as minimum precautions to be used when operating the SMAC Air Compressor. It is important that each work site shall perform a risk analysis and produce a procedure to eliminate or control the hazardous condition to minimise the risk to personnel and equipment. Health and Safety Regulations necessitate that this is a compulsory process to be carried out on each site. These, together with site specific safety procedures will help to minimize the risk of accidents, personnel injury, and loss of life. It is the responsibility of the employer to ensure that the work site is safe for all employees and that the safety procedures are followed by all employees.

### **SAFETY WHEN OPERATING AN AIR COMPRESSOR**

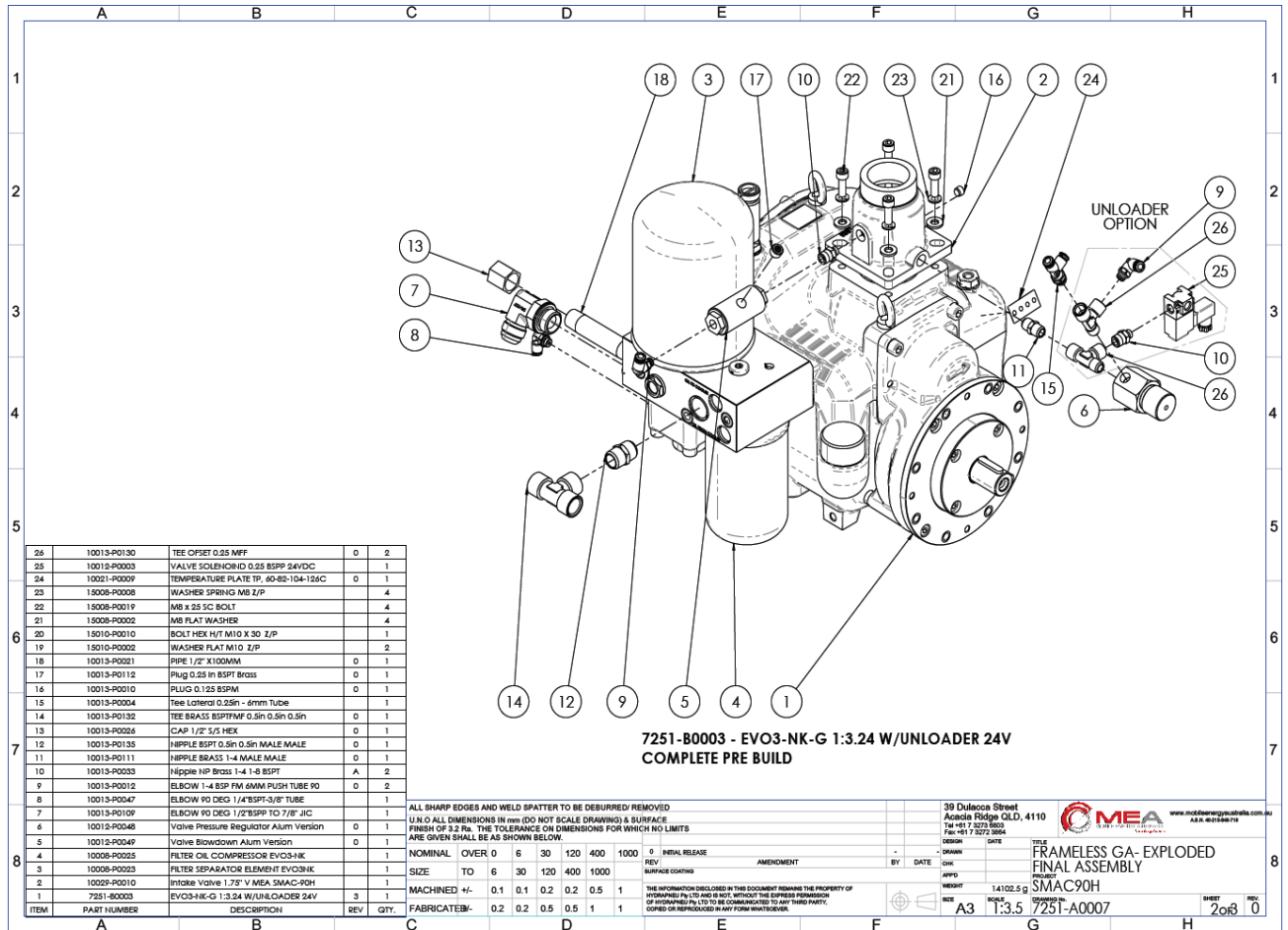
- Do not bypass or disable the oil temperature and pressure sensors – unless planning on running to failure (MEA does not recommend the practice).
- Do not expose the tank or compressor to extreme heat.
- Do not perform any service or repairs until the system has been completely relieved of air pressure.
- Maintenance and repairs on the system should only be done by qualified personnel.
- Do not operate the compressor while driving (vehicle mounted systems).
- Do not tamper with the pressure relief valve.
- Follow safe work practice, wear the appropriate personal protective equipment (PPE) when operating air-powered equipment, particularly eye and hearing protection.
- Avoid contact with rotating components, ensure all safety guards are in place.
- Avoid all contact with pressurized air. If it penetrates the skin, it can enter blood stream and cause death.
- Vaporized oil propelled by high pressure is an explosive mixture. To prevent compressor explosion or fire, make sure that the air entering the compressor is free of flammable vapours.
- Do not breathe the compressor air, vaporized oil is a respiratory hazard.
- Stay clear of all moving parts when the system is operating.
- Follow safety procedures for service operations as set by the authority.
- Run the system at idle speed and under no load conditions for 2 to 3 minutes before turning the system off to allow system cooling and lubrication to occur.

## HYDRAULIC SAFETY

ALL HYDRAULIC EQUIPMENT MUST BE TREATED WITH EXTREME RESPECT AND CARE. AS THE WORKING FLUID IS UNDER EXTREME PRESSURE, UP TO 5000PSI, WITH HIGH FLOW RATES GENERATING HIGH HEAT, ALL APPROPRIATE SAFETY PRECAUTIONS MUST BE TAKEN IN TO ACCOUNT AND SAFETY EQUIPMENT MUST BE WORN IF IN CONTACT WITH THE EQUIPMENT UNDER OPERATION. ALL LEAKS, NO MATTER HOW MINOR, MUST BE RECTIFIED IMMEDIATELY AND ANY WEAR IN THE HOSES MUST BE ADDRESSED AND EQUIPMENT REPLACED. HYDRAULIC INJECTION IS DANGEROUS AND LIFE THREATENING AND EVEN A PINHOLE LEAK WILL BLANKET AN ENTIRE ENCLOSED SPACE VERY QUICKLY WITH HAZARDOUS VAPORISED HYDRAULIC OIL MIST.

## 2. INTRODUCTION

This MEA vehicle mounted air compressor system utilizes the available hydraulic power for the running of the installed compressor to supply compressed air at the specified flow rate and pressure.



This Manual contains vital information of the compressor system and its integration into the existing hydraulic system to ensure that it is operated in a safe and efficient manner.



### 3. SPECIFICATIONS

---

<b>Compressor Model:</b>	EVO3-NK-G
<b>Compressor Type:</b>	Oil flooded rotary screw compressor
<b>Hydraulic Motor Type:</b>	32cc Gear Motor @ 80 lpm oil flow
<b>Optional Motor Type:</b>	34cc Piston Motor @ 91 lpm oil flow
<b>Control:</b>	24V/12V electronic control
<b>Maximum Air Delivery:</b>	80 cfm @ 100psi
<b>Pressure Regulation:</b>	Mechanical inlet control valve modulates flow in response to demand
<b>Safety Features:</b>	200 PSI relief valve in compressor sump Temperature safety sensor in compressor Rapid blow-down valve to discharge system pressure on shutdown
<b>Lubrication:</b>	MEA certified and approved synthetic oil
<b>Filters:</b>	Paper-type replaceable air filter Spin-on type oil filter Coalescing separator element

## 4. OPERATING PROCEDURE

---

**WARNING**

**CAREFULLY READ THE OPERATING INSTRUCTIONS BELOW. FAILURE TO ADHERE TO THE FOLLOWING COMPRESSOR OPERATING INSTRUCTION COULD RESULT IN SERIOUS INJURY.**

1. Check oil level
2. Check hoses and fittings for leaks. Make sure the hoses are not loosened nor damaged.
3. Check and make sure hydraulic supply/return/drain (if applicable) are installed correctly.
4. Check air filter for blockage.
5. Check the safety circuit switch operation (reset switch).
6. Switch on the vehicle and activate the vehicle flow control (turn PTO on).
7. Turn on the compressor either at the control box or in the cab and ensure it is in the unloaded state (check load/unload switch).
8. Turn on the unload/load switch to load and see if the compressor builds pressure to the regulated setting.
9. Plug an air tool into the air outlet and operate. Ensure that the compressor works as required.
10. When the work is finished, switch the compressor to unload.
11. Switch off at either the control box or in cab and switch off the vehicle.
12. It is good practice to check for any visible signs of hydraulic fluid leakage and or compressor fluid leakage after each use.

## 5. INSTALLATION

---

The SMAC90H is designed as an integrated compressor system for connection to an existing hydraulic system. SMAC90H only requires connection of a pressure line in, a return line out and a connection of the motor drain line (if applicable) to the tank.

**WARNING(!) When setting the compressor unit up, ensure there is a safety mechanism in place to prevent any excessive flow or pressure into the compressor hydraulic circuit. MEA will not warrant any damage caused and will void warranty due to inadequate safety protection of the existing hydraulic system.**

1. Install SMAC90H into position on the vehicle using 4 x min. M12 x 1.75 Grade 8.8 Fasteners.
2. Install the hydraulic lines, i.e., pressure in, return out and drain line.
3. The hydraulics flow needs to be set at 75LPM to run the motor at 2370RPM.
4. If purchased the frameless version only; install the cooler and connect the compressor cooler lines to both the cooler and the compressor.
5. Connect the electrical control box to the vehicle; be sure to place an in-line weatherproof fuse (30A – 12V and 20A – 24V) within 300mm of the vehicle battery. Ensure the control box is compatible with your vehicle's voltage rating.
6. Connect the pressure gauge line to the SMAC90H. See circuit diagram.
7. Connect the terminals of the electrical loom as per the circuit diagram relevant to your vehicle to both the vehicle and the SMAC90H.
8. Check the level of oil in the compressor.
9. Switch on the vehicle, turn on the compressor at the control box and test the hydraulic solenoid for operation.
10. Turn the unload/load switch to load and check the compressor builds pressure to the regulated pressure setting.
11. Plug an air tool into the air outlet and operate, checking that the compressor works as required. Run for a minimum of 10mins.
12. Unload the compressor, switch off the control box, switch off the vehicle and check for any visible signs of hydraulic fluid leakage.
13. When cool (safe to touch), and switched off, re-check compressor oil level

## 6. SCHEDULE MAINTENANCE

Maintenance schedules are given as per components' manufacturer standards under normal operation. If the operating conditions deviate from standard (such as severe environmental conditions), it is necessary to take steps for the affected areas to be maintained at shorter intervals.

**For details on maintenance procedures, consult "Compressor Information (APPENDIX-A)".**

Before first start	Check the oil level in the separating tank
Periodically	Observe all gauge readings. Note any change from the normal readings and determine the cause. Have the necessary repairs been made?
	(Note: "Normal" is the usual gauge reading when operating at similar conditions on a day-to-day basis.)
Periodically or as required	Inspect and clean oil cooler fins.
	Check system for oil and/or air leaks.
	Inspect and replace spin-on coalescing element if necessary
Once after 50 operating hours	Check the oil level in the separating tank
	Tighten all screw pipe fittings and electrical screw terminal fittings.
	Check all other connections for firm seating
Every 100 hours	System Inspection:
	(1) Check oil level in separating tank, top up if oil is low
	(2) Check maintenance indicator (if applicable)
	(3) Listen for abnormal running noise during operation
	(4) Check all lines, hoses, and screw fittings for leaks and externally visible damage
Every 1,000 Hours depending on application Recommendation: at least every 12 months (if operated in dusty environment, shorter frequency or as required)	Replace the air-oil separating element
	Replace compressor oil
	Replace oil filter
	Replace filter element in intake air filter
	Check system for leaks
	Clean the system
Every 2 years with increased demand (multi-shift operation, mobile unit)	Replace hose (if attached to the compressor module)
Every 6 years with normal demand	Replace hose (if attached to the compressor module)

## 7. TROUBLESHOOTING

Fault	Possible cause	Remedy
Not functioning	Control box or electrical connection faulty	Have control box or electrical connection repaired. Incorrect rotation direction indicates phases reversed. Reconnect
Incorrect rotation direction	Hoses are connected incorrectly	Reconnect supply and return hoses
Screw compressor system has difficulty starting	Flow and pressure not sufficient	Inspect
	Drive transmission ratio too fast	Check flow and pressure
	Star-delta switchover incorrect	Set
	Compressor is flooded with oil	Check
	System has not been depressurized yet	Check, depressurize if necessary
	Ambient temperature too low Oil filling too viscous	Check viscosity of the oil Check viscosity of the oil
Pressure losses at filter cartridges	Excessive pressure loss at air-oil separating element	Replace air-oil separating element
Combi stat switches off due to excessively high temperature	Oil shortage	Check the oil level in the oil reservoir, fill if necessary
	Oil filter soiled	Replace oil filter cartridge
	Oil thermostat faulty	Replace oil thermostat
	Oil cooler soiled	Clean oil cooler on air side, clean on oil side if necessary
	Incorrect setup a) Room ventilation b) Exhaust air obstructed c) Thermal short-circuit	Follow recommendations for installation of the compressor system
	Combi stat defective	Replace combi stat
Safety valve blows off (at a permissible operating pressure)	Safety valve defective	Replace safety valve
	Air-oil separating element dirty	Replace air-oil separating element
	Compressor system does not switch off automatically, control valve operates intermittently	Check the solenoid valve, replace if necessary
Oil in compressed air	Operating pressure and delivery quantity is not in the permissible range	Check pressures
	Oil exhaust system contaminated	Clean oil extraction system
	Air-oil separating element faulty	Check air-oil separating element and replace if necessary
	Oil level in oil reservoir too high; possibly excessive condensate	Observe oil level marking; drain and replace if necessary
Compressor system is not discharged during	Upper switching point of network pressure monitor set too high	Readjust network pressure monitor

continuous operation, system does not switch off automatically in case of intermittent operation, i.e., safety valve blows off	Solenoid valve defective Relief valve defective	Replace solenoid valve/ relief valve
	Minimum pressure valve jams	Check minimum pressure valve for smooth movement; if necessary, ensure smooth movement or replace
Compressor system continually discharges, low delivery quantity	Solenoid valve defective	Replace solenoid valve
	Break in electric supply line to solenoid valve	Eliminate break
No or insufficient feed quantity	Intake filter soiled	Replace filter insert
	Oil shortage	Check oil level, top up if necessary
	Intake control valve jams or is incorrectly positioned	Check control valve and control valve flap, clean bearing and guides, check stroke, replace if necessary
	Leaks in system	Check seal
	Compressor system leaky	Check system and seal off if necessary
Control valve does not open	Solenoid valve/electrical system, bypass valve, piston gasket, and minimum pressure valve not functioning	Check and replace parts
	Pressure switch in system is set incorrectly	Check setting, adjust and replace if necessary
Control valve does not control (two-point/step-less)	Sealing surfaces in control valve damaged, spring in control valve broken	Check and replace parts
Oil escapes during stop	Solenoid valve/electrical system not functioning	Check and replace parts
Compressor system does not discharge (discharge time 100 - 200 seconds, depending on separator size)	Solenoid valve/electrical system not functioning	Check and replace parts
Control valve constantly discharges	Solenoid valve/electrical system not functioning	Check and replace parts
Oil escapes during discharging (oil foam in air-oil separating element)	Oil type incorrect	Change oil
	Oil foam forms during stop	Check and replace discharge delay valve, with a different nozzle diameter if necessary
	Oil level too high	Drain off oil
Abnormal noise during operation	Insufficient lubrication, loose parts, damage to drive, transmission, bearings, or shaft, etc.	Check, if necessary, replace parts or have them replaced

## 8. SPARE PARTS

---

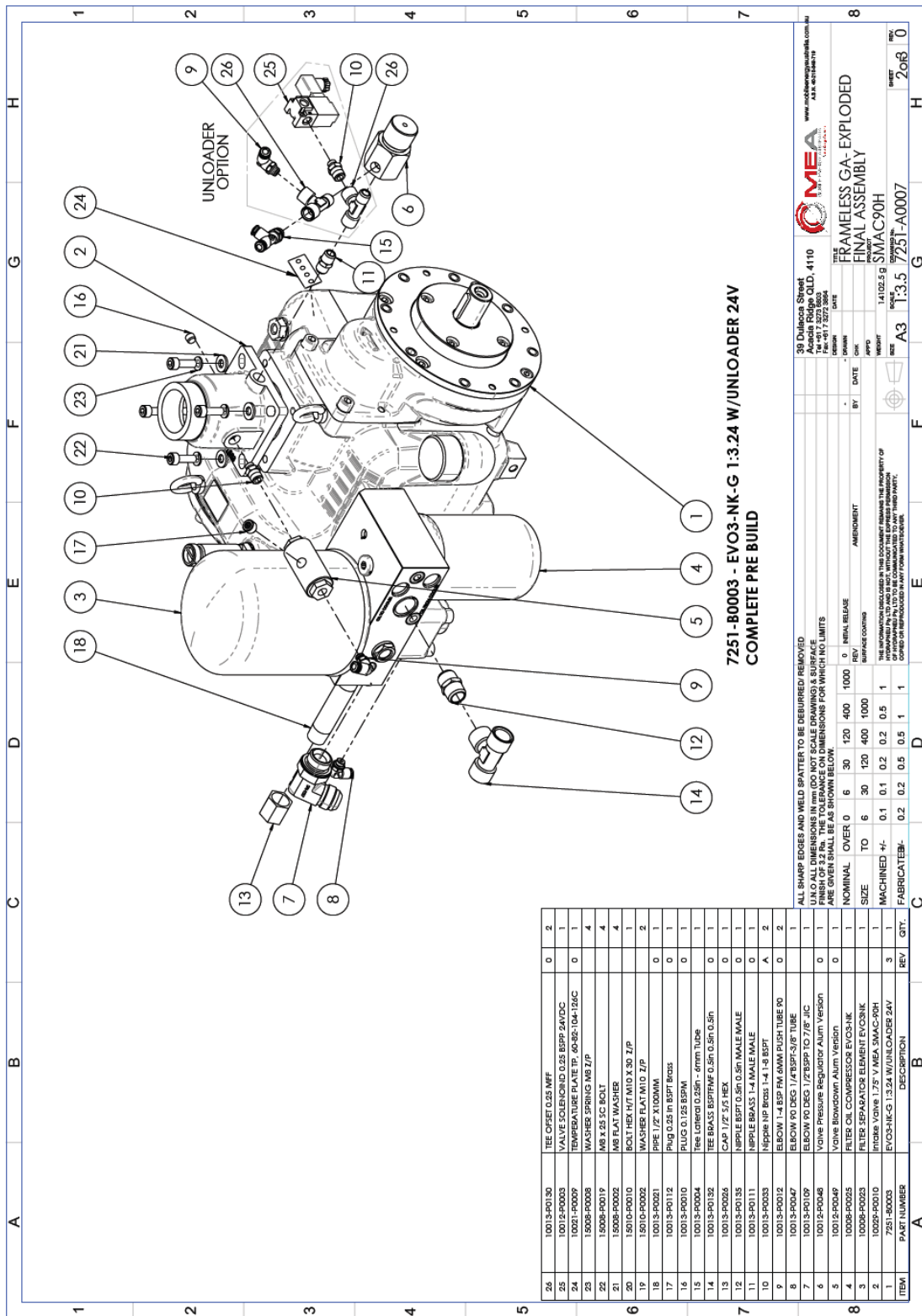
Part Number	Description
10008-P0024	AIR FILTER ELEMENT
10008-P0023	SPIN ON COALESCER
4000-P0123	KIT SHAFT SEAL
10019-K0007	5 LITRES COMPRESSOR OIL
10008-P0025	OIL FILTER
7201-KB0001	REGULATOR REPAIR KIT

\*CONTACT MEA SALE DEPARTMENT FOR SPARE PARTS THAT ARE NOT COVERED HEREIN.

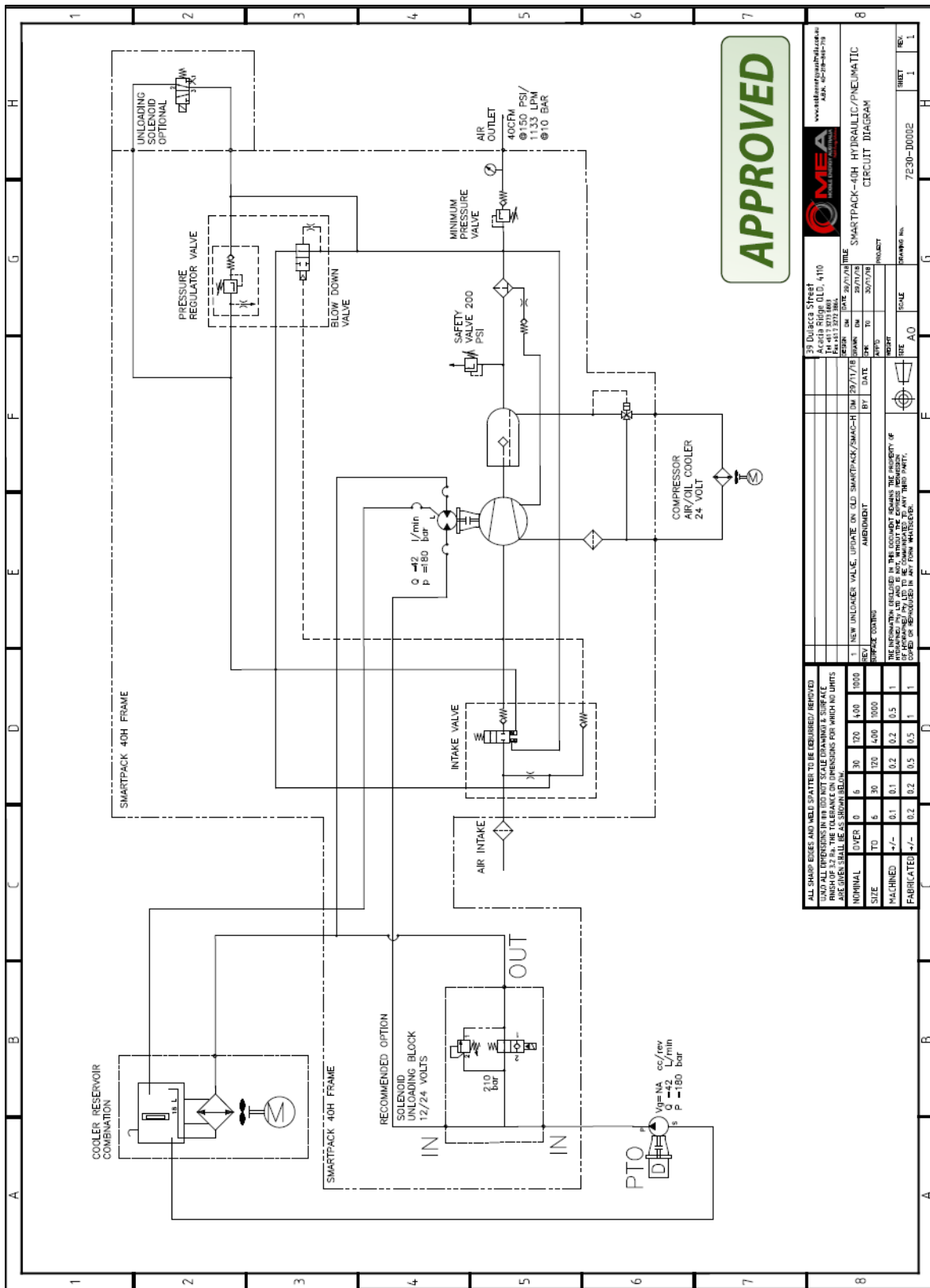








### HYDRAULIC/PNEUMATIC CIRCUIT DIAGRAM







## 10. WARRANTY

---

### TERMS AND CONDITIONS

The following terms and conditions relate to the warranty of Mobile Energy Australia's (MEA) products purchased in Australia. The MEA product warranty is provided by TRHC Pty Ltd ATF for the ThoroughClean Trust (ABN 98 674 578 946), 39 Dulacca Street, Acacia Ridge QLD 4110.

### DEFINITIONS IN THIS SCHEDULE

**Claim** means any claim, demand, action or proceeding.

**Company** means TRHC Pty Ltd ATF for the ThoroughClean Trust (ABN 98 674 578 946) t/a Mobile Energy Australia (MEA)

**Contract** means the contract between Mobile Energy Australia and the Purchaser for or in relation to the sale and purchase of goods.

**Goods** mean any item of whatsoever nature which is sold or to be sold by Mobile Energy Australia to the Purchaser.

**Normal Wear and Tear** means the gradual reduction in performance of Goods having regard to the age of the Goods and the nature and frequency of use of the Goods.

**Prescribed Terms** means any terms, conditions, guarantees and warranties which the Act and any other law expressly provides may not in respect of the Contract be excluded, restricted, or modified, or may be excluded, restricted, or modified only to a limited extent.

**Purchaser** means the person or corporation who buys or has agreed to buy the goods from Mobile Energy Australia.

**Standard Specifications** means Mobile Energy Australia's standard specification for the goods current at the time the goods are delivered to the Purchaser. Copies of the Standard Specifications are available on request from Mobile Energy Australia.

**Warranty Period** means the period of (12) twelve months from the date of delivery of the Goods to the Purchaser, unless specified in writing to the contrary by Mobile Energy Australia.

### 1 GENERAL TERMS AND CONDITIONS

- 1.1** The Company warrants that the goods when delivered to the Purchaser will comply with any description for the goods contained in the relevant Sales Confirmation (if any) and with the Standard Specification for the goods. Mobile Energy Australia is not required to supply goods with any specification or characteristics that are outside any such description for the goods (if any) or the Standard Specifications.
- 1.2** The benefits given to you in Mobile Energy Australia's Standard Warranty are in addition to other rights and remedies you have under the law in relation to the products to which Mobile Energy Australia's Standard Warranty relates.
- 1.3** The Purchaser acknowledges, agrees, represents, and warrants that:
- i) as the use of the goods is outside the control of Mobile Energy Australia, the Purchaser is satisfied that the goods when supplied in accordance with clause 1.1 will have the condition, characteristics, quality, and attributes that will make them suitable or fit for any ordinary or special purpose required for those goods, even if that purpose is made known to Mobile Energy Australia at any time.
  - ii) the Purchaser has or will in a timely manner conduct all mandatory or prudent tests and apply all mandatory or prudent quality control checks and procedures to ensure the goods and any product that is produced from them will be without defect and suitable or fit for any purpose required for them; and
  - iii) the Purchaser has not relied upon any statement, representation, warranty, guarantee, condition, advice, recommendation, information, assistance, or service provided or given by Mobile Energy Australia or anyone on its behalf in respect of the goods, other than those that are expressly contained in the Contract.
- 1.4** The Purchaser releases and indemnifies Mobile Energy Australia and its officers, employees, consultants and agents from and against all actions, claims, proceedings and demands (including those



brought by third parties) which may be brought against it or them, whether on their own or jointly with the Purchaser and whether at common law, under tort (including negligence), in equity, pursuant to statute or otherwise, in respect of any loss, death, injury, illness, cost or damage arising out of any breach by the Purchaser of any warranty provided by it under paragraph 1.3 of this clause.

- 1.5** Except as expressly set out in the Contract and except for liability under any Prescribed Terms, to the full extent permitted by law:
- i) all conditions, warranties, guarantees, terms, and obligations expressed or implied by law or otherwise relating to the Contract or the performance of Mobile Energy Australia's obligations under the Contract or to any goods or services supplied or to be supplied by Mobile Energy Australia under the Contract are excluded, except for those conditions and warranties as to title in the goods; and
  - ii) without limiting the generality of the foregoing, Mobile Energy Australia gives no condition, warranty or guarantee whatsoever as to the suitability, performance, or fitness of the goods for their ordinary or any special use or purpose, and the description of the goods in any Contract or any other document shall not import any such condition, warranty or guarantee on the part of Mobile Energy Australia.
- 1.6** Notwithstanding anything to the contrary herein contained but subject to the provisions of any Prescribed Terms, Mobile Energy Australia's liability in respect of any claim arising in any way out of the Contract or its performance or from any failure to perform the Contract including (without limiting the generality of the foregoing) for breach of any condition, warranty or guarantee contained in the Contract or in any Prescribed Term implied into or applying to the Contract and whether that liability arises under contract, tort (including negligence), breach of statutory duty or otherwise, is limited as follows:
- i) if any guarantee under the Act is applicable to any good or service supplied by Mobile Energy Australia and Mobile Energy Australia's liability is due to a failure to comply with the guarantee and such failure cannot be remedied or is a major failure as defined in the Act (each such failure hereafter referred to as a Relevant Failure), Mobile Energy Australia's liability is as stated in the Act in respect of that Relevant Failure.
  - ii) if the liability is due to a failure to comply with any condition, warranty or guarantee in respect of any good or service supplied by Mobile Energy Australia under the Contract and such failure is not a Relevant Failure, Mobile Energy Australia's liability is limited as follows in respect of such failure:
    - A. if the failure is in respect of goods, Mobile Energy Australia's liability is limited to replacement of the goods or the supply of equivalent goods, the repair of the goods, payment of the cost of replacing the goods or of acquiring equivalent goods, or payment of the cost of having the goods repaired, as determined by Mobile Energy Australia in its sole discretion; and
    - B. if the failure is in respect of services, Mobile Energy Australia's liability is limited to the supply of the services again or payment of the cost of having the services supplied again, as determined by Mobile Energy Australia in its sole discretion.
  - iii) In respect of all other liability (if any), Mobile Energy Australia's liability is limited in the aggregate to the amount of \$10,000.
- 1.7** To the extent permitted by law, Mobile Energy Australia will have no liability to the Purchaser, however arising and under any cause of action or theory of liability, in respect of special, indirect, or consequential damages, loss of profit (whether direct or indirect) or loss of business opportunity arising out of or in connection with the Contract or its performance.
- 1.8** Subject to section 1.2 and the terms below, as your Standard Warranty Mobile Energy Australia agrees to repair or replace at Mobile Energy Australia's cost the Mobile Energy Australia product, and any Mobile Energy Australia accessory supplied with the product, purchased in Australia when the product

does not perform in accordance with the manufacturer's specifications during the period specified in the Warranty Terms.

- 1.9** Unless specified to the contrary, the Warranty Period will be (12) twelve months from the date of delivery of the Goods to the Purchaser
- 1.10** Mobile Energy Australia reserves the right to make the determination as to the warranty of its products. All costs will be borne by the customer until such determination is made to which in the case of an approved warranty claim, the customer will be reimbursed for all applicable charges.
- 1.11** Mobile Energy Australia will not be liable for any loss, damage, or alterations to third party software, hardware or equipment or any part of the product, no matter how occurring; or for any loss or damage arising from loss of use, loss of profits or revenue, or for any resulting indirect or consequential loss or damage.

## **2 SERVICE AND REPAIR**

- 2.1** Subject to clauses (3) of this Warranty, and in the absence of a third-party manufacturer warranty, the Company agrees, in relation to any faulty workmanship or material defect in the Goods that are purchased by the Purchaser and reported by the Purchaser to the Company during the Warranty Period, to any one or more of the following.
  - (a) In the case of goods:
    - (i) To replace the goods or the supply of equivalent goods.
    - (ii) To repair the goods.
    - (iii) To pay the cost of replacing the goods or of acquiring equivalent goods.
    - (iv) Replace by refurbished products of the same type rather than being repaired; or
    - (v) To pay the cost of having the goods repaired; and
  - (b) In the case of services:
    - (i) To supply the services again; or
    - (ii) To pay the cost of having the services supplied again.
- 2.2** To avoid doubt, the Company has sole discretion as to any one or more of the alternatives specified in clauses 2.1(a) or 2.1(b).
- 2.3** This warranty does not cover anything which is not expressly stated in the Warranty.

## **3 EXCLUSIONS OF LIABILITY**

- 3.1** To the extent permissible by law, the Warranty does not cover:
  - (a) Anything caused or contributed by:
    - (i) Normal Wear and Tear and the gradual reduction in operating performances of the Goods.
    - (ii) Circumstances where installation, operation, maintenance, or use is not in accordance with the manufacturer's instructions or specifications provided with the product.
    - (iii) The replacement or repair of any consumables, lost parts, or accessories.
    - (iv) An accident, abuse, neglect of a person other than the Company.
    - (v) Vandalism, power outages, surges, inadequate or improper voltage or current or use and instalments of Goods contrary to any instruction.
    - (vi) repair or modification of the Goods carried out:
      - (A) Without the proper written consent of the Company: or
      - (B) By a person other than the Company or its agent.
    - (vii) Cost of removal, reinstallation, re-commissioning, or shipping of the Goods
    - (viii) Damage arising from the transportation, installation or while moving the product, or to any transportation costs of the product or any parts thereof to and from the owner, unless otherwise specified in these warranty terms.
    - (ix) Any criminal, deliberate, wilful, dishonest, or fraudulent act, error, or omission of the Purchaser.



- (x) Any breach by the Purchaser of law, regulatory requirement or provision of the Mobile Energy Australia's Standard Terms and Conditions of Sale
- (xi) Any defect or faulty workmanship in relation to the Goods:
  - (A) Not notified to the Company within the Warranty Period; or
  - (B) Where the Purchaser continues to use the Goods after the Purchaser knew or discovered or ought reasonably to have known or discovered the defect or faulty workmanship.
- (xii) To service of any product whilst it is outside Australia; or
- (xiii) The Company being the subject of a Force Majeure Event

#### **4 WARRANTY CLAIMS**

- 4.1** If a Purchaser wishes to lodge a claim under this Warranty in relation to the Goods, then the Purchaser must notify the Company immediately and during the Warranty Period. Further information regarding the Warranty claim procedure can be obtained by contacting the Company.
- 4.2** To make a claim under the Standard Warranty you will need to:
- (a) Contact Mobile Energy Australia on (07) 3273 6803 and request to speak to the Workshop Manager.
  - (b) Provide or make the product available to Mobile Energy Australia Authorised Service Centre or as otherwise agreed with Mobile Energy Australia.
- 4.3** The Company may, under this Warranty, direct that the Purchaser returns the Goods to:
- (a) The location from which the Goods were originally dispatched by the Purchaser; or
  - (b) Another location to be confirmed at the time of any such claim.
- 4.4** Where the Company directs the Customer under clause 4.2 of this Warranty, the Customer must return the Goods in accordance with such direction at their expense.
- 4.5** The product will be at the owner's risk whilst in transit to and from the specified location (see "clause 4.2") unless transported by Mobile Energy Australia or its Authorised representatives.
- 4.6** Mobile Energy Australia and its Authorised Service representatives may seek reimbursement of any costs incurred by them when the product is found to be in good working order.

**This Warranty forms part of and is to be read in conjunction with the MEA Standard Terms and Conditions of Sale.**

#### **PLEASE NOTE:**

Both the MEA Product Registration Form and the Engine Warranty Registration Form MUST be returned to MEA.

## **WARNING!!!**

**Failure to return PRODUCT WARRANTY REGISTRATION FORMS detailed above may result in the delayed processing of warranty claims.**

## 11. MOBILE ENERGY AUSTRALIA - CONTACTS

---

### **Sales**

Office: 07 3273 6803

Email: [sales@mobileenergyaustralia.com.au](mailto:sales@mobileenergyaustralia.com.au)

### **Spare Parts**

Office: 07 3273 6803

Email: [sales@mobileenergyaustralia.com.au](mailto:sales@mobileenergyaustralia.com.au)

### **Service**

Office: 07 3273 6803

Email: [workshop@mobileenergyaustralia.com.au](mailto:workshop@mobileenergyaustralia.com.au)

## 12. APPENDIX A – DESIGN REGISTRATION

---



[www.mobileenergyaustralia.com.au](http://www.mobileenergyaustralia.com.au)

TRHC Pty Ltd ATF for the ThoroughClean Trust  
ABN 98 674 578 946

07 November 2022

To whom it may concern

### SMAC 90H Design Registration

The SMAC 90H design has been assessed against the requirements of the Work Health & Safety Act 2011 and Australian Standard 4343:2014. The SMAC 90H has been found to comply with the requirements of AS4343:2014 Hazard Level E and as such does not require design registration.

Regards



**Nicholas Groothoff**  
Engineering Manager  
Mobile Energy Australia

39 Dulacca St, Acacia Ridge QLD 4110

Ph: +61 7 3273 6803

[www.mobileenergyaustralia.com.au](http://www.mobileenergyaustralia.com.au)

### 13. APPENDIX B – FLUIDS & MATERIAL SAFETY DATA SHEETS

---

FLUID TYPE	DESCRIPTION	PART NUMBER
Compressor Oil	Semi Synthetic Compressor Oil 68	10019-P0002

Please use QR code to link you to relevant MSDS

