

## Service and Maintenance

1. Daily Check fuel level and top up as needed and when you start the unit.
2. Daily Check vacuum pump oil level and top up if needed and when you start the unit. ( Oil required Multigrade 15W-40)
3. Daily Check Engine oil level and top up if needed and when you start the unit. ( Oil required Multigrade 15W-40)



### CAUTION!

- When checking or topping up fuel or oil please make sure the engine is off and not running. Use an appropriate fuel dispenser. Do not smoke!
- Use only clean, fresh, low sulphur commercial-grade diesel fuel.
- Do not overfill fuel tank, leave room for fuel to expand. Clean up any spillage that occurs during refuelling.
- Pumps must be drained after use to avoid frost damage
- Repairs must only be carried out by a competent person, if in any doubt please contact your local Andrews Sykes Depot.



### CAUTION!

#### General Safety

- Always assess the risk before use. Appropriate PPE must be worn,
- This equipment should only be used by a competent person.
- Follow operation and maintenance instructions.
- Ensure safe and correct positioning of equipment prior to use.
- Moving parts are guarded to protect you or others. Guards removed for maintenance must be replaced before starting the pump.
- Never operate this equipment if you are ill or under the influence of alcohol or drugs.
- Ensure that the equipment is inspected & serviced at appropriate intervals.
- All lifting attachments or equipment are checked prior to use for suitability / rating and replaced if found damaged or faulty. Do not use if faulty.
- Lifting must always be vertical and never subjected to snatch loadings. Always use the lifting points provided. Do not allow the unit to swing whilst being lifted.
- Never insert your hand or any other object into the pump casing/inlets unless you are sure the pump has been switched off, preferably lock it off and retain key or remove and keep starter key.
- If pumps and or hoses are to be used for contaminated, noxious or corrosive liquids then it is the duty of the hirer to notify Andrews Sykes of the specific nature of the material. After use both pumps and or hoses should be flushed with clean water.

# SYKES PUMPS

## Operating, Maintenance and Safety Instruction leaflet

For Further Information Visit [www.sykes-pumps.com](http://www.sykes-pumps.com) or contact your local Andrews Sykes Depot on 0800 211611

## MINIVAC

### Important

It is the user's responsibility to ensure that the information contained within this leaflet is read and fully understood before any attempt is made to use the equipment



**ANDREWS  
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SYKES PUMPS 

ANDREWS  
AIR CONDITIONING

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HEAT FOR HIRE

ANDREWS  
DEMOLITION

ANDREWS  
CONCRETE

ANDREWS  
REPAIRS

ANDREWS  
VENTILATION

## General Operation

This pumpset is a fully automatic self-prime unit, it requires no additional priming fluid. The pump will prime automatically on start-up and from intermittent periods of dry running where the intake has been exposed to atmosphere.



### DANGER!

The pump must not be used in an explosive or flammable environment or for pumping flammable liquids.



### CAUTION!

#### Siting the pumpset

- The pump should be placed on a level area of ground and the wheels chocked to prevent movement in use.
- Never lift with the suction or delivery hoses attached. The increased weight of these items may cause lifting gear failure.
- Do not lift with the forks of a fork truck under the chassis. Always use the lifting eye provided.
- Never operate an engine in a confined space, ensure adequate ventilation for exhaust fumes.
- Be aware the exhaust silencer, vacuum pump and associated pipework get hot during use, position the pump so these do not cause a hazard to health or property.
- Never place flammable items around the unit.
- When operating, these pumps will produce noise levels up to 87 dBA @ 1m Please use ear defenders in the direct vicinity suitable for the level shown. Please also be aware of the noise hazard to others.
- Check the area where the liquid will be discharged, make sure that you will not be creating a hazard for persons or for the environment.
- Position the hoses to avoid unnecessary stress. Sharp bends should be eliminated and protective measures taken where hoses come into contact with abrasive surfaces.
- Always fit an appropriate strainer to the suction hose and that once in situ is fully immersed in the medium to be pumped.
- Collapsible type hoses must not be used on the suction side of the pump.
- On all Hoses and fittings make sure where "o" rings are fitted that they are in place and in good condition. Air leaks will affect the performance of the pump.

## Starting

Read the engine manufacturers instructions in the pump manual or proceed as follows:



### CAUTION!

- Before attempting to start the engine please check the engine oil level and top up if required.
- Please check that there is adequate fuel in the fuel tank, top up if required.

1. The key should be in the zero position with all lights out on the keyswitch



2. Turn the key to the 1<sup>st</sup> position, warning lights should now be on.



3. Now turn the key to the 2<sup>nd</sup> position / starting position. The engine should now start. Do not actuate the starter switch for more than 20 seconds at a time. If engine fails to start wait 1 minute before repeating attempt.



4. Return key to the 1<sup>st</sup> position when engine is running. While the engine is running all warning lights should be off. For units with engine protection all lights should be off except the starting panel OK light.



## Stopping

1. To Stop please turn the throttle lever and/or key to the stop position.
2. When Appropriate please drain the pumpset.

