

## WASTE OIL EVACUATION SYSTEM

L-OD90

### INTRODUCTION

Thank you for purchasing a Lubemate L-OD90 Oil Evacuation Unit.

The Lubemate Oil evacuation Unit is suitable for the collection and removal of waste oils only.

### IMPORTANT INFORMATION

The information contained will help ensure many years of dependable performance and trouble free operation.

Please take a few moments to read through this instruction manual before operating your new L-OD90 Oil Evacuation unit.



### READ THIS INFORMATION CAREFULLY BEFORE USE.

Please retain this instruction manual for future reference.

Your safety is important to us. Please read and follow all instructions listed below. Some of these instructions alert you to the potential for personal injury. "Cautions" throughout the manual advise of potential practices or procedures which may cause damage to your equipment.

Make sure all operators have access to adequate instructions about safe operating and maintenance procedures.

Do not exceed the maximum oil temperature of 120C.



### WARNING

Before attempting any repairs or maintenance of this product, disconnect the air supply to release the air pressure.

Do not extract caustic or flammable products.

Do not modify any component of this equipment



### ASSEMBLY PROCEDURE

- 1) Connect the wheels to the axle, tighten the screws. Insert the castors into the holes provided and tighten securely.
- 2) Insert the handle to the handle location tubes and tighten the screws securely.
- 3) Insert the gravity drain tube into the top hole on the container and tighten.
- 4) Attach the oil collecting pan to the top of the tube and tighten securely.
- 5) Insert the plastic strainer into the oil pan and fit the oil pan extender.
- 6) Attach the vacuum generator to the remaining hole on top of the container and tighten securely.

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7) Insert the suction probe tube holder with cover into the holder bracket on the side of the container, then insert probes into holder.

8) Attach the tool holder onto the brackets located on the top of the container

## OPERATION

### **IMPORTANT**

Check the safety relief valve on the holding tank weekly for correct operation. The Safety valve should open at 1.5bar (21psi)

## GRAVITY DRAIN USE

1) Open the ball valve located under the gravity drain.

2) Close the discharge ball valve located at the bottom of the holding tank.

3) Position the gravity bowl under the sump plug. Remove sump plug and drain the waste oil into the funnel.

## OIL REMOVAL USING SUCTION PROBES

**NOTE:** The oil should always be removed if the oil temperature reaches 120 deg C.

1) With the engine still warm, remove the dipstick from the motor and insert the largest possible probe as far down as it will go.

2) Connect the suction hose to the probe.

3) Close the ball valve located under the gravity bowl

4) Close the discharge ball valve located at the bottom of the holding tank.

5) Connect the air supply to the vacuum generator

6) Open the ball valve on the suction hose, keeping the probe dipped in the oil. The oil will be sucked from the sump into the oil container.

## EMPTY HOLDING TANK

The pressure relief valve is designed to open if the pressure in the holding tank exceeds 21psi. If the relief valve does not open, the valve is damaged and should be replaced.

1) Remove the air supply from the air inlet .

2) Close the ball valve located just below the gravity drain bowl.

3) Ensure that the ball valve on the bottom of the holding tank is closed.

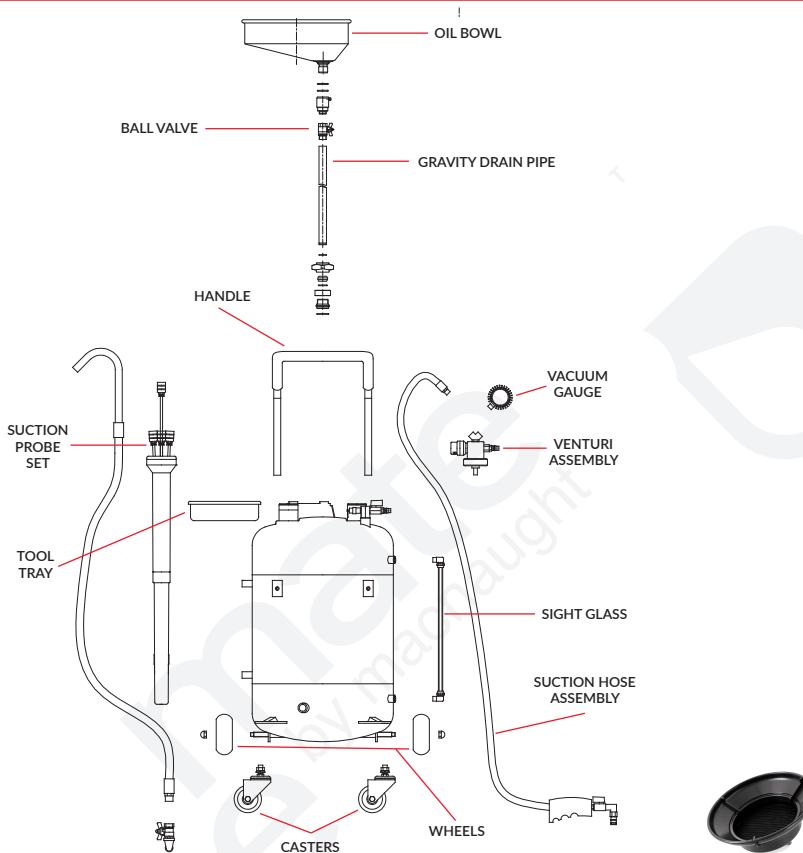
4) Place the drain hose into a bulk waste oil tank.

5) Connect air to the air inlet on the holding tank to a pressure of 14psi (1bar) If the air Pressure exceeds 21psi, the relief valve will open and will not close until a pressure of 21 psi or lower is reached.

6) Open the ball valve located on the bottom of the holding tank.

Note: The air will now push the waste oil out of the holding tank into the bulk waste oil tank. If you run out of air pressure repeat step 5.

7) After the oil transfer has been completed, release the air pressure in the holding tank and shut the holding tank ball valve.



## TROUBLESHOOTING

**"Oil Bowl as a spare available"**  
**Order part number L-OD90/90B-OB.**

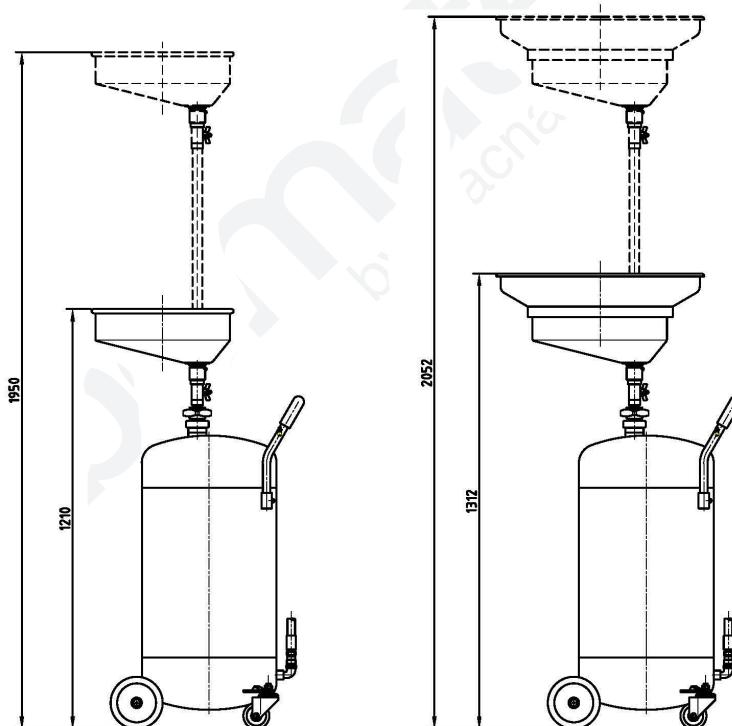
TROUBLE	CAUSE	REMEDY
1) No oil suction	a) Damaged Venturi b) Damaged Suction Probe c) Air Leak	a) Replace Venturi b) Replace damaged Suction Probe O'ring c) Find and repair air leak
2) Slow draining	A) Insufficient accum b) Air Leak	a) Do not use until correct vacuum pressure is achieved b) Find and repair air leak

**Note:** The oil suction rate will vary depending on oil viscosity, oil temperature and air operating pressure.

**Note:** No Spare parts Available

## SPECIFICATIONS

Tank Capacity	90L
Max Drainer Capacity	90L
Drainer Oil Speed Capacity	1.8-3 L/min
Oil Draining Pressure	1 bar
Working pressure	6-8bar (87 -116 psi)
Max height (without extender bowl)	1.95m
Min height (without extender bowl)	1.21m
Max Height (with extender bowl)	2.05m
Min Height (with extender bowl)	1.31m



# INSTRUCTION MANUAL

**lubemate**  
by macnaught

