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TOS-2053 & TSO-2054
OIL/WATER SEPARATOR
INSTALLATION AND
START-UP MANUAL

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INSTALLATION AND START UP MANUAL

OIL SEPARATOR LOCATION AND OPERATION

The discharge height of the separator must be high enough to insure unimpeded gravity flow back to the tank of your equipment.

Easy access to the separator cover, pump control, separator sump and oil skimmers should be provided.

Locate the unit next to the machine tool sump and level. Fill unit with clean coolant prior to start up. The unit is full when coolant exits the discharge fitting and hose.

Installation

1. Remove the tramp oil separator from the packaging and skid and inspect the unit for any damage.
2. Remove suction, discharge hoses, floating skimmer, and hose clamps from inside separator
3. Place the oil separator next to or on top of the machine tool sump or coolant reservoir to be processed.
4. Connect the black/gray corrugated suction hose to the hose barb fitting on the stainless steel floating skimmer with provided hose clamps. Secure other end of suction hose to hose barb fitting on the suction strainer located on the separator.
5. Place floating skimmer in coolant sump so that the hose and hose barb fitting are under the skimmer and the hole in the center of the skimmer is visible from above. Secure hose to tank if necessary to maintain location and function of skimmer.
6. Connect Red/Orange discharge hose to discharge fitting and hose barb. Secure with provided hose clamps. The discharge hose must be higher than the machine sump and not restricted in any way to slow the flow of the coolant back to the machine sump. Blockages and restrictions of this hose could result in coolant flowing out of the top of the separator.
7. Connect the customer supplied compressed air hose to the ¼" quick connection fitting located on the compressed air regulator.
8. Adjust regulator to 60 PSI.
9. Make sure oil drain valve is closed prior to start up.

Start-UP

1. Adjust pump control valve, located after compressed air regulator, so that the oil separator is provided with the correct amount of coolant.

Model TOS-2053	2.5 GPM	85 strokes per minute
Model TOS-2054	5.0 GPM	170 strokes per minute

2. With pump running at the correct rate, adjust oil drain tube so that edge of tube $\frac{1}{4}$ inches above the coolant in the unit. This is accomplished by loosening the tube fitting located at the base of the tube and raising tube to height of coolant. Tighten fitting to secure oil drain tube.
3. Observe coolant flow through separator and make sure clean coolant drains properly back to the machine sump.
4. Adjustable Baffle plate – the adjustable baffle plate slides within the separator to minimize turbulence and foaming in the oil separator section of the tank. With less turbulent applications, slide plate closer to inlet fitting, with more turbulent applications slide plate closer to oil drain tube.

Operation

1. Oil Drain – to drain accumulating oil, simply open oil drain valve, located on bottom front of unit, until there is not more oil present in the site glass or on in the oil separator section. Close valve and properly dispose of oil.
2. Strainer – the strainer is provided to protect the pump from damage created by metal chips and debris. Strainer should be checked and cleaned daily.

