

## GENERAL MECHANISM OILING INSTRUCTIONS

If the unit is going to be shut down for more than three (3) months, see the "Storage" section of this manual for instructions to prevent damage to the bearings.

This unit was shipped from the factory with the proper amount of Mobil DTE AA or Mobil SHC 632 oil in the mechanism tube. The oil quantity shown on the Screen Data Sheet of this manual is approximate and may vary depending on the size of the eccentric shaft. See Data Sheet for type of oil to be used in this unit. Re-check oil level readings once unit has been installed before startup. Oil level should be maintained plus or minus 1/8" of level indicated on the gauge or overflow plug.

CHANGE OIL AFTER FIRST 2-6 HOURS OF OPERATION.  
THE OIL SHOULD BE CHANGED SEASONALLY, THEN EVERY 500 HOURS.

Deister insists on the use of a premium grade non-detergent, rust and oxidation inhibiting circulation oil with anti-foaming and anti-wear additives, such as Mobil DTE oil, or Mobil SHC 632 synthetic oil. See the temperature applications below.

| AMBIENT TEMPERATURE   |   |
|---|---|
| 0° - 80° F  | 40° - 100° F  |
| <p>Mobil DTE BB<br/>Viscosity is 230 cSt @ 40°C<br/>19.3 cSt @ 100°C</p>    | <p>Mobil DTE AA<br/>Viscosity is 335 cSt @ 40°C<br/>24.7 cSt @ 100°C</p>    |
| <p>Mobil SHC 632<br/>Viscosity is 325.8 cSt @ 40°C<br/>38.6 cSt @ 100°C</p> | <p>Mobil SHC 632<br/>Viscosity is 325.8 cSt @ 40°C<br/>38.6 cSt @ 100°C</p> |

\*For ambient temperatures exceeding 100 ° F. consult D.M.Co.

Having oil samples professionally analyzed at each oil change can assist you in the early detection of impending bearing failures. Deister can have your samples tested for water, iron, brass, silica and many other contaminants and alert you to potential problems with oil storage, oil changing procedures, and bearing condition.

Approximately ½ cup to 1 cup of oil is sufficient to run the test. It is best to take the sample while the oil is still warm from operation. Remove the drain plug from the tube and from the stream fill a clean dry container. A regular oil testing program can be well worth the time.

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## OILING INSTRUCTIONS

### DO NOT USE HEAVY OIL OR GREASE!

1. While the oil is still warm, remove the oil drain plug from the bottom of the mechanism tube. Remove the gauge drain plug.
2. After the oil has drained, clean plugs and replace.
3. Remove the oil fill plug located on the side of the tube or the fill cap located on the top of the bearing housing.
4. Add oil until the proper level is indicated on the gauge face plate. Allow sufficient time for the oil level to stabilize in the gauge.
5. Replace the oil fill plug.
6. During the first week of operation, the oil level should be checked every day and, after that, about once a week to see that the proper oil level is maintained.