



## **TECHNICAL DATA**

102 Barton Street, St. Louis, Missouri 63104

In-State (314) 865-4100/Out of State 800-325-9962/Fax (314) 865-4107 <http://www.schaefferoil.com>

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### **147 STEAM CYLINDER OIL**

Steam Cylinder Oil is an extra high performance high viscosity compounded extreme pressure lubricant that is recommended for use in all high pressure wet or saturated content steam cylinder and steam engine applications. Steam Cylinder Oil can also be used in enclosed worm gear applications operating at moderate to high speeds and temperatures, and where heavy loads, slow speeds or high temperatures require the use of a high viscosity oil.

Steam Cylinder Oil is blended from the finest high viscosity index solvent refined, severely hydrotreated paraffin base stocks available. These paraffin base stocks provide Steam Cylinder Oil with the following characteristics:

1. Excellent thermal and oxidative stability.
2. Excellent resistance to high temperature degradation.
3. A naturally high viscosity index.
4. Excellent film strength.
5. Excellent resistance to the build-up and formation of harmful deposits caused by the high temperature operations of steam cylinders.

Further blended into these paraffin base oils is a highly refined acidless tallow and rust and corrosion inhibitors. This combination allows Steam Cylinder Oil to possess the following characteristics.

1. Excellent film strength and integrity at high temperatures.
2. Excellent resistance to water washout.
3. Excellent wetability.
4. Excellent atomizing properties.
5. Very good sealing film properties around rods and in glands of steam applications
6. The ability to cling to and stay on the metal surfaces.
7. Excellent lubricity to prevent wear.
8. Extreme pressure, anti-wear and low-friction properties.
9. Excellent water separating capabilities from condensate.
10. Non-corrosiveness to yellow metals such as copper, brass or bronze.
11. Excellent heat resistance.

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Steam Cylinder Oil also possess excellent resistance to foaming, and rust and corrosion inhibiting properties.

Steam Cylinder Oil can be applied both by drip feed cups and force feed mechanical lubricating devices.

#### TYPICAL PROPERTIES

ISO Grade	460
AGMA Grade	7
Specific Gravity	.8984-.9042
API Gravity 60°F (ASTM D-287)	25-26
Viscosity 100°F SUS (ASTM D-445)	2173-2477
Viscosity 40°C cSt (ASTM D-445)	407-460
Viscosity 100°C cSt (ASTM D-445)	27.00-30.00
Viscosity Index (ASTM D-2270)	98
Flash Point °F/°C (ASTM D-92)	565°/296°
Fire Point °F/°C (ASTM D-92)	590°/310°
Pour Point °F/°C (ASTM D-97)	10°/-12°
Copper Strip Corrosion Test (ASTM D-130) 3 hours	1A
% Compounding	10