



Mobil 600W Super Cylinder Oil

Steam Cylinder Lubricant

Product Description

Mobil 600W Super Cylinder Oil is a high performance, high viscosity oil designed for use in all marine and industrial steam cylinder applications. It is also intended for use in enclosed worm gears operating at moderate to high speeds and temperatures, and where heavy loads, slow speeds or high temperatures demand high viscosity oils. Mobil 600W Super Cylinder Oil is formulated from high quality base stocks that are resistant to oxidation and thermal degradation, and the build-up of harmful deposits caused by the high operating temperatures of steam cylinders. This product protects against rust and corrosion, provides good sealing film strength, excellent lubricity and is resistant to water washout.

Mobil 600W Super Cylinder Oil is additised to enhance its frictional and load-carrying properties. In steam applications Mobil 600W Super Cylinder Oil is recommended for saturated and superheated steam up to a temperature of 260°C. This product is also widely used in marine and industrial worm gear applications, couplings and bearings. It can be applied both by drip feed cups and force feed mechanical lubricating devices.

Mobil 600W Super Cylinder Oil enjoys a long history as a leading product for steam cylinder applications and is a benchmark mineral product for worm gear OEMs and users.

Features and Benefits

The Mobil Cylinder Oil brand of lubricants represents the earliest lubricant product marketed by our Corporation's predecessor companies. 600W Cylinder Oil was produced by the Vacuum Oil Company in the second half of the 19th century and was a breakthrough product of its time. Continual upgrading and application of the latest base oil and additive technology has maintained this product series as a leader in its application areas. While steam cylinder applications are now less common, the reputation of Mobil Cylinder Oils in worm gear applications remains unmatched among mineral-based products.

Mobil 600W Super Cylinder Oil offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Excellent film integrity at high temperatures	Excellent equipment protection at high temperatures occasioned by variable load conditions, avoiding unexpected downtime and equipment replacement. Provides good sealing film around rods and in glands in steam applications.
Excellent resistance to deposit formation at high temperatures	Resistant to deposits on areas subject to high spot temperatures, maintaining cleaner systems, requiring less maintenance
Excellent antiwear and low friction properties	Reduced wear and high efficiency
High quality and built in performance features	Results in fewer unplanned stoppages and reduced maintenance costs

Applications

Mobil 600W Super Cylinder Oil is recommended for lubrication of steam cylinders, couplings, bearings, splash-lubricated worm gear sets operating at moderate to high speeds and temperatures, and for the break-in of compressors cylinders.

Typical Properties

Mobil 600W	Super Cylinder Oil
ISO Viscosity Grade	460
Viscosity, ASTM D 445	
cSt @ 40°C	460
cSt @ 100°C	30.5
Viscosity Index, ASTM D 2270	95
Pour Point, °C, ASTM D 97	-6
Flash Point, °C, ASTM D 92	282
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1B
Density, ASTM D4052 @ 15.6 °C kg/l,	0.91

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your sales contract office, or via the Internet on <http://www.exxonmobil.com>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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