

# Mobil 600W Cylinder Oil

## Gear and Cylinder Oils

### Product Description

Mobil 600W Cylinder oil is an extra high performance high viscosity oil designed 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. It is also intended for use in all steam engine applications. It 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. It protects against rust and corrosion and provides good film strength and excellent lubricity and is resistant to water washout.

Mobil 600W Cylinder Oil is additized to enhance frictional and load-carrying properties. It is widely used in worm gear applications, couplings and bearings, with viscosity grade depending on operating conditions. In steam applications Mobil 600W Super Cylinder Oil is recommended for saturated and superheated steam up to a temperature of 260°C. Mobil 600W Cylinder Oil can be applied both by drip feed cups and force feed mechanical lubricating devices.

Mobil 600W Cylinder Oil is the benchmark mineral product for worm gear OEMs and users, and is still recognised as a leading product for steam cylinder applications.

### Features and Benefits

The Mobil 600W Cylinder Oil 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 600W Cylinder Oil in worm gear applications remains unmatched among mineral-based products. Mobil 600W 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
	Provision of good sealing film round 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 anti-wear and low friction properties	Additized grades give reduced wear and high efficiency
Very good water separation in absence of additives	Non-additized grade gives ready separation from condensate
High quality and built in performance features	Results in fewer unplanned stoppages and reduced maintenance costs



## Applications

Mobil 600W Cylinder Oil is recommended for the following applications:

- The splash lubrication of enclosed worm gears operating at moderate to high speeds and temperatures.
- Steam cylinders, couplings, bearings, and break-in of compressor cylinders.

## Typical Properties

Mobil Cylinder Oils	Mobil 600 W Cylinder Oil
ISO Viscosity Grade	--
Viscosity, ASTM D 445	
cSt @ 40°C	375
cSt @ 100°C	27.0
Viscosity Index, ASTM D 2270	95
Pour Point, °C, ASTM D 97	-9
Flash Point, °C, ASTM D 92	282
Density,ASTM D4052 @15.6 °C kg/l,	0.90
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1B

## Precautions

MOBIL 600W CYLINDER OIL is manufactured from high quality petroleum base stocks , carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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