



# ATLANTIC STEAM CYLINDER ENGINE OILS

## Gear and Cylinder Oils

### PRODUCT DATA

#### DESCRIPTION

**ATLANTIC STEAM CYLINDER ENGINE OILS** are extra high performance high viscosity oils 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. They are also intended for use in all steam engine applications. They are 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. They protect against rust and corrosion and provide good film strength and excellent lubricity and they are resistant to water washout.

#### APPLICATIONS

**ATLANTIC STEAM CYLINDER ENGINE OILS** are designed specifically for the following applications:

**Steam Cylinder Oil 355:** Steam cylinders, couplings, bearings, and break-in of compressor cylinders.

Splash lubrication of enclosed worm gears operating at moderate to high speeds and temperatures.

**Steam Cylinder Oil 460&680:** Recommended for the above applications but under higher temperature and load conditions

**Steam Cylinder Oil 1000:** Suitable to be used as a tempering oil for bath temperatures up to 290°C & also where ready separation from condensate is essential, eg.; where exhaust steam is used for process work.

#### PROPERTIES

**ATLANTIC STEAM CYLINDER ENGINE OILS** are formulated using appropriate additives to enhance their frictional and load-carrying properties & can be applied both by drip feed cups and force feed mechanical lubricating devices.

#### PRODUCT BENEFITS

- Excellent equipment protection at high temperatures occasioned by variable load conditions, avoiding unexpected downtime and equipment replacement
- Excellent resistance to deposit formation at high temperatures
- Excellent film integrity at high temperatures
- Excellent anti-wear and low friction properties
- Very good water separation in absence of additives
- High quality and built in performance features
- Extended oil life due to inherent oxidation stability
- Provision of good sealing film round rods and in glands in steam applications
- Results in fewer unplanned stoppages and reduced maintenance costs

#### TYPICAL TECHNICAL PROPERTIES

ISO Viscosity Grade	355	460	680	1000
Product code	12560IL	12561IL	12562IL	12563IL
Density at 15°C, g/ml, ASTM D4052	0.90	0.91	0.92	0.92
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	375	460	680	1000
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	27.0	30.5	35.8	43.0
Viscosity Index, ASTM D2270	95	95	85	80
Flash Point(COCl), °C, ASTM D92	282	282	282	288
Pour Point, °C, ASTM D97	-9	-6	0	-3
Copper Strip Corrosion, ASTM D 130,3 hrs @ 100° C	1B	1B	1B	1B

**Note:** These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.



**Packing : 1 | 4 | 5 | 20 | 25 | 208L**

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\* supersedes all previous versions

**Health and Safety:** This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.