

Stellus 460

High Viscosity Steam Cylinder Oil

Stellus steam cylinder oil are compounded with a fatty oil to improve lubricity in the presence of wet steam to ensure adequate lubrication and low wear rates in all types of reciprocating steam engines.

Summary of Benefits

- **Excellent lubricity and wetability:** High viscosity mineral oil compounded with selected fatty oils provides high film strength ensures that the oil adheres to the cylinder walls and other sliding surfaces.
- **Emulsifies readily:** Compounding agent gives it the ability to emulsify readily with the water in saturated steam and to resist being washed off cylinder and valve faces and thus maintain lubrication.
- **Separates readily from condensate:** Choice and low concentration of compounding matter gives it the ability to separate readily from condensate, provided efficient filtering systems are used.
- **Long service life:** Good oxidation and thermal stability of the refined fatty compounding material resist oil breakdown with heat.
- **Improved load carrying ability:** The compounding matter in **Stellus** improves its load carrying capacity when used as a gear lubricant particularly, in industrial worm-drive gearboxes where the action is completely sliding.
- **Steam cylinder and valve lubrication of non-condensing steam engines** where the steam is wet or of low quality. It provides lubrication for the sliding surfaces of pistons, valves and piston and valve rods where they pass through glands in steam and valve chests.
- It is **not** recommended for worm-drive differentials in automotive vehicles.

Specifications:

- ANSI/AGMA 7 Comp requirements

Stellus 460

Product Code: 7110

Product Size: 20L, 205L

Typical Characteristics:

	460
Density at 15°C (kg/L)	0.905
Flash Point OCO (°C)	240
Kinematic Viscosity at 40°C mm ² /s (cSt)	430
Kinematic Viscosity at 100°C mm ² /s (cSt)	28.5
Viscosity Index	93

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment

A Material Safety Data Sheet (MSDS) is available for each product. Users should consult the MSDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Materials Safety Data Sheet is available at Royal Precision Lubricants by email:
info@royallubricants.com.au.