



Steaval D-150

Phillips 66® Steaval D-150 is a heavy, non-compounded paraffinic mineral oil developed for steam cylinder and valve lubrication in applications that require a non-emulsifying oil, or where the steam is superheated. It also may be used in applications where an ISO VG 460 or SAE 140 straight mineral gear oil is required.

Steaval D-150 is manufactured from highly refined, high-viscosity paraffinic base stocks and contains no additives. It forms a tough film on metal surfaces to protect against wear.

Applications

- Steam cylinders and valves in applications that require a non-compounded oil, or where the steam is superheated
- Paper mill calender roll bearings
- Steel mill roll neck bearings
- Rack and pinion gears and heavy mill gears
- Applications that require an ISO 460 or SAE 140 straight mineral gear oil

Features/Benefits

- High film strength
- Good retention on metal surfaces
- Non-corrosive to bronze or brass

Non-Compounded Steam Cylinder Lubricant





Steaval D-150

Typical Properties	
ISO Grade	460
Specific Gravity @ 60°F	0.890
Density, lbs/gal @ 60°F	7.41
Color, ASTM D1500	5.0
Flash Point (COC), °C (°F)	312 (594)
Pour Point, °C (°F)	-12 (10)
Viscosity	
cSt @ 40°C	493
cSt @ 100°C	32.0
SUS @ 100°F	2,645
SUS @ 210°F	157
Viscosity Index	96
Acid Number, ASTM D974, mg KOH/g	0.02
Carbon Residue, ASTM D524, wt %	0.51
Copper Corrosion, ASTM D130	1a

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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