



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**

KEEPING THE
WORLD
RUNNING
SMOOTHLY. 



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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