



Technical Product Information

STEAM CYLINDER OIL

HIGH QUALITY STEAM CYLINDER AND INDUSTRIAL OIL

Product Description: STEAM CYLINDER OIL is manufactured from high VI paraffinic base stocks compounded with fatty oils which act as wetting agents to improve emulsibility and metal wetting properties in the presence of wet steam or water.

Features:

- Excellent metal wet ability
- Steam cylinder oil for all steam pressures and temperatures.
- Excellent worm gear lubricant
- Minimizes inventory

Typical Uses:

- ISO Grade 460 is recommended for low steam pressures between 75 and 150 PSI temperatures between 340°F to 400°F.
- ISO Grades 680 and 1000 are recommended for high steam pressures over 300 PSI with steam temperatures 400 F. to 590 F.
- None of the above steam cylinder oils are suitable when the exhaust steam condensate is returned to the boiler.
- ISO Grades 460, 680 and 1000 meet the AGMA 7, 8 and 8A compounded specifications and are suitable for the lubrication of worm gears and other low speed reduction gears.
- Suitable for lubrication of heavily loaded journal bearings
- Suitable for gas compressor cylinders when compressing wet gas.

Typical Specifications:

GRADE, ISO	68	150	320	460	680	1000
Gravity °API	31.3	27.8	26.0	24.8	24.2	23.1
Flash Point, °F.	450	485	485	515	515	520
Fire Point, °F.	500	525	510	560	560	580
Pour Point, °F.	5	10	15	30	30	30
Viscosity:						
SUS @ 100° F.	350	789	1,707	2,470	3,680	5,455
SUS @ 210° F.	55.0	78.0	116.6	146.0	184.0	233
cSt. @ 40° C.	68.0	150	320	460	680	1,000
cSt@100° C.	8.5	14.6	23.4	29.8	37.8	48.0
Viscosity Index	90	95	92	92	92	90
Color, D-1500	3.5	4.5	6.0	6.0	6.0	D8

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.