PINNACLE RESOURCES, INC.

Technical Data Sheet

COMPOUND GEAR/STEAM CYLINDER LUBRICANTS

ISO GRADES 68 – 680

Product Description

Compounded Gear/Steam Cylinder Oils are high-quality lubricants developed for the lubrication of industrial and automotive worm gear drives operating at moderate to high temperatures, and for the lubrication of steam engine cylinders and valves.

Formulated with high quality paraffinic base stocks, these oils provide high film strength and excellent oiliness characteristics for effective lubrication of worm gears. They emulsify with water to maintain lubricity in the presence of steam and moisture, protecting cylinder and valve surfaces in steam engines.

Applications

Compounded Gear/Steam Cylinder Oil is suitable for use in:

- Industrial worm gear drives made with nonferrous alloys (bronze-on-steel)
- Differentials on antique automobiles requiring high-viscosity compounded gear oil
- Steam engine cylinders and valves
- Bearings on steam-heated calendar or mixer rolls
- Screw-down bolts and nuts on aluminum and steel rolling mills
- Heavily loaded, low-speed bearings subject to moisture contamination
- Cylinders of gas compressors handling wet natural gas
- Applications where SAE 140, SAE 190 or SAE 250, API GL-2 gear oil is specified

Compounded Gear Oil meets the following industry specification(s): AGMA 9005-F16 Compounded Lubricants (CP).

Typical Properties

Property	68	100	150	220	320	460	680
AGMA Number	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	8 EP
Viscosity, cSt @ 40°C	67.6	101.8	147.8	220.9	320.9	475.3	678.3
Viscosity, cSt @ 100°C	8.5	11.2	14.4	18.8	24.0	31.0	39.0
Viscosity Index	95	95	95	95	95	95	95
Pour Point, °F/°C	-15/-26	-15/-26	-10/-23	-5/-21	-5/-21	0/-18	+5/-15

*The values shown are typical of current production. Some are controlled in the manufacturing process while others are not. All of them may vary within tolerable ranges.