



Geargard HVS

Mobil Industrial , Canada

High Performance, Ultra-High Viscosity Open Gear Fluid

Product Description

GEARGARD HVS is an ultra-high viscosity lubricant, primarily intended for use in heavily loaded, low and medium speed open gears that may operate in boundary lubrication conditions. It is formulated with an ultra-high viscosity synthetic fluid and extreme pressure additives that provide outstanding performance under severe high and low temperature conditions. Geargard HVS is formulated to dispense very well in cold ambient temperatures as low as -10°C, while also providing excellent protection for gears operating in hot ambient conditions.

Features and Potential Benefits

GEARGARD HVS offers the following features and potential benefits when compared to conventional asphaltic diluent containing open gear lubricants.

- Extended gear life provided by its ultra-high viscosity baseoil, excellent load carrying, antiwear, and adhesive properties.
- Excellent pumpability at low and high ambient temperatures with conventional dispensing equipment.
- Less frequent clean-up of the gear teeth and guard, helping to reduce the amount of maintenance and inspection work necessary on critical open gear systems. A clear product that enables visual inspection of the gears in operation.

Applications

GEARGARD HVS is designed to meet and exceed the requirements for the lubrication of heavily loaded grinding mills used in severe mining service.

Typical Properties

| Fluid Type | Semi-synthetic |
|---------------------------------------|----------------|
| Colour | Amber |
| Kinematic Viscosity, cSt | |
| @ 100°C without diluent | 1350 |
| @ 40°C without diluent | 44000 |
| @ 40°C with diluent | 6500 |
| Apparent Viscosity, P @ 20s-1, -10°C | 5000 |
| Flash Point (TCC) ,°C | 110 |
| Rust test , synthetic sea water, 48 h | Pass |
| Timken OK Load, lb | 70 |
| Four Ball EP Weld, kgf | 400 |
| Four Ball Wear, 40 kg @ 1200 rpm, mm | 0.5 |
| Copper Corrosion @ 100°C | 1b |

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local Imperial Oil contact or visit www.imperialoil.ca

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