

DECATHLON™ F SYNTHETIC ENCLOSED GEAR OIL

Decathlon™ F is a fixed formulation fluid in group IV PAO base oil (synthetic) for use in Flender's helical bevel and planetary gear units. It meets Flender specification of 6/12/2005 Rev. 9.

Decathlon™ F Synthetic oil is an extreme pressure lubricant formulated to meet the exacting demands of enclosed gear systems including differentials, transmissions, and industrial gear boxes. The properties of the synthetic (PAO) base oils reduce friction and power consumption when compared to petroleum based oils.

Decathlon™ F Gear Oil is designed to perform under adverse conditions such as heavily loaded gears, shock loading, and frequent reversing action. They meet the performance requirements of extreme pressure lubricants of the American Gear Manufacturer's Association (AGMA) specification 9005-D94 "Lubrication of Industrial Enclosed Gearing." They also meet U.S. Steel Specification 224 and DIN 51517-3 requirements.

Decathlon™ F Gear Oil is especially recommended for applications where the operating temperature of the oil exceeds 175°F (80°C).

BENEFITS:

- **REDUCED WEAR** - protects against scoring, scuffing, and galling to increase gear and bearing life.
- **VERSATILE** - may be used in a variety of industrial and mobile equipment including mixed fleets.
- **DEMULSIFIABLE** - readily separates from water.
- **ANTIFOAM** - protects seals and keeps operating temperatures low by breaking up entrapped air bubbles as they form.

APPLICATIONS:

Decathlon™ F is ideal for use in wind turbine gearboxes, cranes, mining machines, crushers, and extruders. It can also be used on gearboxes that are affected by a nearby heat source, such as in the glass or steel industry.

Use Decathlon F in the gearboxes on Bucyrus equipment that have been manufactured by Flender.

| ASTM # | ISO Grade | TYPICAL CHARACTERISTICS |
|----------------|---|-------------------------|
| | | 320 |
| D-445 | Kinematic Viscosity cSt @ 40°C cSt @ 100°C | 252 - 288 36 |
| D-2270 | Viscosity Index | 157 |
| D-97 | Pour Point, °F (°C) | -44 (-42) |
| Gardner Method | Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C) | 7.2 0.863 |
| D-92 | Flash Point, °F (°C) Cleveland Open Cup | >365 (185) |
| D-2783 | Four Ball EP Weld Point, kg | 250 |
| D-4172 | Four Ball Wear Scar Width, mm @ 40 kgf | 0.45 |
| ISO 6614 | Demulse Properties, 180°F (82°C) | 15 |

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

| | | |
|------------------------|-------|-------|
| Nonreturnable Totes | Drums | Pails |
|------------------------|-------|-------|

For warranty information, scan the QR code.

whitmores.com
An ISO 9001 and ISO 14001 registered company

