TECHNICAL DATA SHEET

DECATHLON™ PAG

SYNTHETIC OIL FOR TRUNNION BEARINGS AND MINING MACHINES

Decathlon™ PAG is specifically aimed at trunnion bearings that are found on rotary kilns and the highly loaded enclosed gears of draglines and mining shovels. It is particularly useful in extreme temperature conditions.

Kiln trunnion bearings and the gear systems of mining machines are subjected to extremely high load and fluctuating temperatures. They challenge both equipment designers and lubricant chemists. Decathlon™ PAG is designed to protect this expensive equipment.

This product is extremely stable under fluctuating temperature conditions and severe load. Thinning out at high temperatures is minimal, and a lubricating film is maintained. During cold temperature start-up the metal surfaces are protected without excessive fluid drag.

As is the case with most synthetic oils, Decathlon™ PAG has a natural polar affinity for metal that promotes the formation of a stable lubricating film. This natural characteristic is further augmented by additive chemistry that protects metal surfaces without the use of solid lubricants. The fluid can be filtered without removing any of the additive chemistry that protects metal. The long service life and outstanding protection from wear make Decathlon™ PAG a sound investment.

BENEFITS:

- SAFE – Contains no hazardous materials.
- CLEAN – Light golden color.
- EFFECTIVE – Protects bearings and gears under severe load, slow speed, and a wide range of temperature conditions.
- NO SOLID ADDITIVES – Can be filtered for longer service life.
- LONG SERVICE LIFE – Both the base fluid and additive system resist the degradation that occurs in many lubricants as a result of high load.

APPLICATIONS:

Decathlon™ PAG is specifically formulated to protect trunnion bearings on Kilns and Dryers and heavily loaded enclosed gearboxes operating at exceptionally high or low temperatures.

Gearboxes that would benefit most are found on Draglines and Mining Shovels.

In applications where the oil temperature could drop below -25°F (-32°C) it may be necessary to apply heat before a cold start-up.

ASTM #		TYPICAL CHARACTERISTICS					
	ISO Grade	150	220	320	460	680	1000
D-445	**Kinematic Viscosity** cSt @ 40°C cSt @ 100°C	 155 35	 223 45	 330 64	 488 85	 680 120	 1,050 164
D-2270	**Viscosity Index**	271	261	266	260	278	281
D-97	**Pour Point,** °F (°C)	-32 (-36)	-32 (-36)	-32 (-36)	-30 (-34)	-27 (-33)	-25 (-32)
Gardner Method	**Density**, lb/gal @ 60°F (15.5°C) **Specific Gravity**, g/cc @ 60°F (15.5°C)	8.80 1.06	8.80 1.06	8.80 1.06	8.80 1.06	8.80 1.06	8.80 1.06
D-92	**Flash Point,** °F (°C) Cleveland Open Cup	440 (227)	440 (227)	440 (227)	440 (227)	440 (227)	440 (227)
D-2783	**Four Ball EP** Weld Point, kg	315	315	315	315	315	315
D-4172	**Four Ball Wear** Scar Width, mm	0.40	0.40	0.40	0.40	0.40	0.40
D-1743	**Rust Test**	Pass	Pass	Pass	Pass	Pass	Pass

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

PACKAGING

Drums	Pails

For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

930 Whitmore Drive • Rockwall, Texas 75087 • USA • (972) 771-1000 • 800-699-6318
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