WHITMORE'S

TECHNICAL DATA SHEET

DECATHLON™ PAG 1000

SYNTHETIC OIL FOR TRUNNION BEARINGS AND MINING MACHINES

Decathlon™ PAG 1000 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 1000 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 1000 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 1000 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 1000 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	1000
D-445	**Kinematic Viscosity**	
	cSt @ 40°C	1,050
	cSt @ 100°C	164
D-2270	**Viscosity Index**	281
D-97	**Pour Point,** °F (°C)	-25 (-32)
Gardner	**Density**, lb/gal @ 60°F (15.5°C)	8.80
Method	**Specific Gravity**, g/cc @ 60°F (15.5°C)	1.06
D-92	**Flash Point,** °F (°C)	440 (227)
	Cleveland Open Cup	
D-2783	**Four Ball EP**	
	Weld Point, kg	315
D-4172	**Four Ball Wear**	
	Scar Width, mm	0.40
D-1743	**Rust Test**	Pass

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

PACKAGING

Pails

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