



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
D-445	ISO Grade	1000
	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 Method	Density, lb/gal @ 60°F (15.5°C)	8.80
	Specific Gravity, g/cc @ 60°F (15.5°C)	1.06
D-92	Flash Point, °F (°C) Cleveland Open Cup	440 (227)
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

THE WHITMORE MANUFACTURING COMPANY

930 Whitmore Drive • P.O. Box 9300 • Rockwall, Texas 75087 • USA • (972) 771-1000 • Fax: (972) 722-2108

An ISO 9001, ISO/TS 16949, and ISO 14001 Registered Company • <http://www.whitmores.com>

Performance Under Pressure Since 1893

LIMITED WARRANTY: The Whitmore Manufacturing Company makes the Limited Express Warranty that at the date of delivery, its goods shall be free from defects in Whitmore's materials and workmanship and shall meet the express written statements of quality, if any, made by Whitmore in connection with the sale of the goods. Other than such Limited Express Warranty, there are no express warranties made with respect to the sale of goods and all implied warranties existing under the law are expressly disclaimed and negated, particularly, Whitmore NEGATES AND DISCLAIMS THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. All other liability, either in contract or tort, including without limitation, strict liability found in Section 402A of the Restatement of Torts or otherwise, is negated and disclaimed. The sole remedy for Whitmore's breach of such Limited Express Warranty shall be a refund of the purchase price of its goods, and Whitmore shall have no responsibility for incidental or consequential damages sustained as a result of the use of the goods, whether sustained to the goods themselves or to other property. Data listed are subject to usual manufacturing variations.