



TECHNICAL DATA SHEET

DECATHLON™ GOLD GEAR LUBRICANT

Decathlon™ Gold is the ultimate solution to the problem of lubricating open gears and very slow moving enclosed gears. It is clean, environmentally-friendly, easy to work with, and it protects even the most heavily loaded gears.

Traditionally, open gears on kilns, ball mills and dryers have been lubricated using asphaltic products. These products are dark and messy, and disposing of the waste is sometimes difficult. Decathlon™ Gold provides the same level of protection to the gears as asphaltic lubricants, but is a versatile product that is light in color.

Decathlon™ Gold may be applied using a spray system, such as is manufactured by Lincoln or Farval. It may also be applied from a sump, where the pinion drags through the lubricant, or an idler wheel applies lubricant to the pinion. It may also be continuously pumped directly onto the gears.

Decathlon™ Gold contains no solid additives. It can be filtered without loss of additives.

Decathlon™ Gold contains no hazardous materials and may be disposed of in the same manner as any spent oil.

BENEFITS:

- SAFE - Contains no hazardous materials.
- CLEAN - Light golden color.
- EASY - Can be applied by spray, dip or continuous pump.
- EFFECTIVE - Protects gears under severe load and shock load
- NO SOLID ADDITIVES - Can be filtered for longer service life.

APPLICATIONS:

Decathlon™ Gold is specifically formulated to protect heavily loaded gears on kilns, ball mills, dryers, and pelletizers. Also recommended for use on slideways, including crane slides. Decathlon™ Gold can be used to lubricate wire ropes and large chains. Provides good resistance to water.

Decathlon™ Gold is suitable for use at temperatures down to 20°F (-7°C). In applications where the oil temperature could drop below this level it may be necessary to apply heat. Consult Whitmore's Technical Service Department for further information.

May also be used in enclosed gearboxes that call for an extremely viscous gear oil.

ASTM #		TYPICAL CHARACTERISTICS	
		Gold	Gold Heavy
D-445	ISO Grade	3200	N/A
	Kinematic Viscosity		
	cSt @ 40°C	3,260	5,202
	cSt @ 100°C	176	215
D-2270	Viscosity Index	155	147
D-97	Pour Point, °F (°C)	30 (-1)	35 (2)
Gardner	Density, lb/gal @ 60°F (15.5°C)	7.50	7.58
Method	Specific Gravity, g/cc @ 60°F (15.5°C)	0.90	0.91
D-92	Flash Point, °F (°C)		
	Cleveland Open Cup	>390 (>199)	>400 (>204)
D-2783	Four Ball EP		
	Weld Point, kg	620	620
D-4172	Four Ball Wear		
	Scar Width, mm @ 40 kgf	0.60	0.40
D-665	Rust Test		
	Distilled Water	Pass	Pass
D-130	Copper Strip Corrosion		
	212°F (100°C) @ 3 hr	1B	1B
OEM	Low Temperature Pumpability,		
Standard	Lincoln Ventmeter @ 400 psi, °F (°C)	20 (-7)	35 (2)

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

PACKAGING

Shuttle Tanks	Drums	Pails
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THE WHITMORE MANUFACTURING COMPANY

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Performance Under Pressure Since 1893

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