

1150HP HIGH PERFORMANCE MINING GREASE

MINING SOLUTIONS SERIES

TECPLEX**[®] 1150HP** provides the mining industry's highest level of performance for the lubrication of equipment in massive open pit mining operations. Engineered with 5% molybdenum disulfide, it will protect equipment from the stress of frequent shocks of scooping/hauling/grinding massive loads of earth. Designed to exceed OEM specifications for weld point with an 800kg rating, **TEC**PLEX**[®] 1150HP** goes beyond typical mining greases to improve uptime and extend the life of bearings, pins, bushings, and other parts. Also effective as a wire rope lubricant for shafts and drag lines.



TYPICAL APPLICATIONS

- Shovels, drag lines, haul trucks, and conveyors.
- Drills, rock crushers, and mills.



KEY FEATURES

- Grade 1, ISO 150 Formulation.
- 800kg weld point, highest industry rating.
- Calcium Sulfonate thickened grease, provides inherent protection from rust and corrosion.
- Exceptional resistance to water, provides consistent lubrication even in harsh weather.
- Mechanically stable... virtually no consistency change during/after usage.
- Environmentally friendly formulation contains no antimony, barium, chlorine, phosphorus, zinc or free sulfur.
- Also available in Grades 2, 0, and 00.



TEC PLEX[®]

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PHYSICAL PROPERTIES	TEST METHOD	TYPICAL VALUES
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NLGI Grade	ASTM D217	1
Color	Visual	Gray
Texture	Visual	Soft
Dropping Point, °C	ASTM D2265	316°C +
Worked Penetration, 60 Double Strokes, dmm	ASTM D217	310 - 340
Mechanical Stability		
<i>Worked Penetration 10,000 Double Strokes, % Change</i>	ASTM D217	< 3.0
<i>Worked Penetration 100,000 Double Strokes, % Change</i>	ASTM D217	< 3.0
<i>Worked Penetration 10,000 Double Strokes with 10% Water, % Change</i>	ASTM D217	< 3.0
Roll Stability, % change	ASTM D1831	< 3.0
Timken OK Load, kg	ASTM D2509	27.2
4-Ball EP:LWI, kgf	ASTM D2596	125
Weld Point, kg	ASTM D2596	>=800
4-Ball Wear, mm	ASTM D2266	0.60
Fretting Wear, mg	ASTM D4170	<10.0
Bearing Rust Protection	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>500
Wheel Bearing Leakage, grams	ASTM D4290	< 1
Bearing Life Performance, hours	ASTM D3527	>140
Bomb Oxidation, 100 hours @ 99°C, PSI Drop	ASTM D942	< 1
Water Washout, % removed	ASTM D1264	< 1
Water Spray Off, % removed	ASTM D4049	18
Oil Separation, % loss	ASTM D1742	<0.5
Copper Strip Corrosion	ASTM D4048	1b
Base Oil Viscosity, cSt	ASTM D445	
@ 100°C		14
@ 40°C		150
Viscosity Index		97
Emcor Corrosion, 3% NaCl	ASTM D6138	2,2

REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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