

# TEC PLEX<sup>®</sup>

## 00150HP HIGH PERFORMANCE MINING GREASE

### MINING SOLUTIONS SERIES

**TEC PLEX<sup>®</sup> 00150HP** is the mining industry's leading high performance grease in a thin, semi-fluid format for easy handling and sprayability. Used for the lubrication of equipment in massive open pit mining operations, this grease is ideally designed for use on open gears and wire ropes. Engineered with 5% molybdenum disulfide, it will protect equipment from the stress of frequent shocks of scooping/hauling/grinding massive loads of earth. **TEC PLEX<sup>®</sup> 00150HP** also provides significant protection as a rust preventive coating wherever it's applied, further ensuring the uptime of critical machinery.



### TYPICAL APPLICATIONS

- Open gears, drag lines, and conveyors.
- Drills, rock crushers, and mills.



### KEY FEATURES

- Grade 00, ISO 150 Formulation.
- 620kg weld point
- 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, 1, and 0.



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PHYSICAL PROPERTIES	TEST METHOD	TYPICAL VALUES
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NLGI Grade	ASTM D217	00
Color	Visual	Gray
Texture	Visual	Semi-Fluid
Dropping Point, °C	ASTM D2265	316°C +
Worked Penetration, 60 Double Strokes, dmm	ASTM D217	400 - 430
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	22.2
4-Ball EP:LWI, kgf	ASTM D2596	100
Weld Point, kg	ASTM D2596	>=620
4-Ball Wear, mm	ASTM D2266	0.50
Fretting Wear, mg	ASTM D4170	<10.0
Bearing Rust Protection	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>800
Wheel Bearing Leakage, grams	ASTM D4290	
Bearing Life Performance, hours	ASTM D3527	>140
Bomb Oxidation, 100 hours @ 99°C, PSI Drop	ASTM D942	< 1
Water Washout, % removed	ASTM D1264	< 3
Water Spray Off, % removed	ASTM D4049	38
Oil Separation, % loss	ASTM D1742	<1.0
Copper Strip Corrosion	ASTM D4048	1b
Base Oil Viscosity, cSt	ASTM D445	
@ 100°C		14.7
@ 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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