

# TEC PLEX<sup>®</sup>

## 1460

HEAT, WATER & CORROSION RESISTANT  
EXTREME INDUSTRIAL GREASE

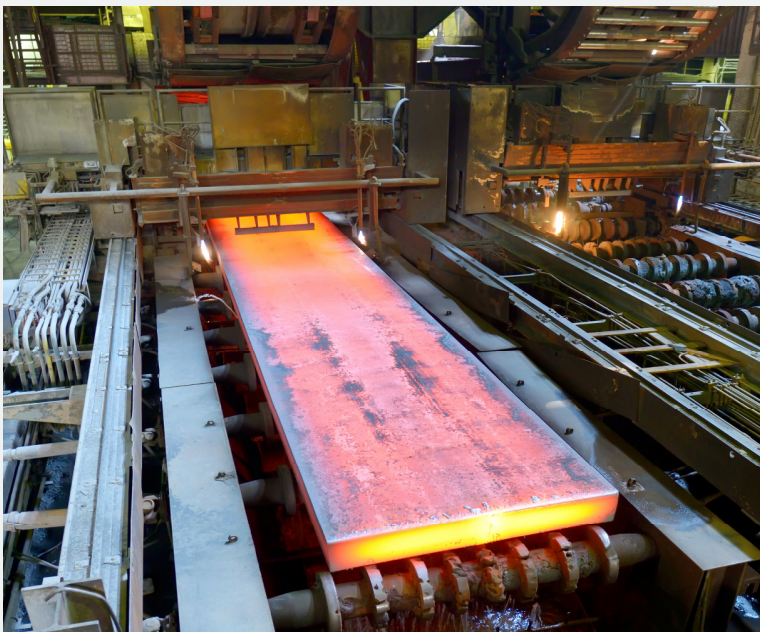
### GENERAL PURPOSE SERIES

**TEC PLEX<sup>®</sup> 1460** is a calcium sulfonate grease developed specifically for use in Steel Mill operations. The product is formulated to withstand intense heat while providing excellent protection from extreme pressures of working with heavy loads in steel processing. This grease is naturally resistant to water washout, but in contrast to lithium greases it provides additional protection to equipment during downtime by absorbing water that could potentially corrode bearings and other parts.



### TYPICAL APPLICATIONS

- Ladle Turrets
- Caster Segments
- Work Rolls / Hot Mill
- Coiler Mandrels



### KEY FEATURES

- Grade 1, ISO 460 Formulation.
- Offers excellent protection from extreme pressures resulting from shock loading
- Superior protection from rust and corrosion
- Excellent resistance to water washout
- Outstanding high-temperature properties
- Environmentally friendly since the formulation contains no antimony, barium, chlorine, phosphorus, zinc or free sulfur
- Also available in Grade 2 and 1.5



**COAST LUBRICANTS  
& INDUSTRIAL SUPPLY**

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## HEAT, WATER & CORROSION RESISTANT EXTREME INDUSTRIAL GREASE

### GENERAL PURPOSE SERIES

#### PHYSICAL PROPERTIES

#### TEST METHOD

#### TYPICAL VALUES

NLGI Grade	ASTM D217	1
Color	Visual	Beige
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,</i>	ASTM D217	
<i>% Change</i>		< 3.0
<i>Worked Penetration 10,000 Double Strokes 10% Water,</i>	ASTM D217	
<i>% Change</i>		< 3.0
Roll Stability, % change	ASTM D1831	< 3.0
Timken OK Load, kg	ASTM D2509	27.2
4-Ball EP: LWI, kgf	ASTM D2596	60
Weld Point, kg	ASTM D2596	500
4-Ball Wear, mm	ASTM D2266	0.60
Fretting Wear, mg	ASTM D4170	<10.0 mg
Bearing Rust Protection	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>500
Wheel Bearing Leakage, grams	ASTM D4290	< 3
Bearing Life Performance, hours	ASTM D3527	100+
Bomb Oxidation, 100 hours @ 99°C, PSI Drop	ASTM D942	< 1
Water Washout, % removed	ASTM D1264	< 2
Water Spray Off, % removed	ASTM D4049	<25
Oil Separation, % loss	ASTM D1742	<0.5
Copper Strip Corrosion	ASTM D4048	1b
Elastomer Compatibility	ASTM D4289	
AMS 3217 / 3B CR Type 70 hours @ 100°C		
Percent Swell		+6.6
Hardness Change, Durometer A points		-3.5
AMS 3217 / 2B NBR-L Type 70 hours @ 150°C		
Percent Swell		+1.8
Hardness Change, Durometer A points		-1.3
Base Oil Viscosity, cSt	ASTM D445	
@ 100°C		30.6
@ 40°C		460
Viscosity Index		97.5
Emcor Corrosion, 3% NaCl	ASTM D6138	2,2

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

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