

# TEC PLEX<sup>®</sup>

## 2460 HEAT, WATER & CORROSION RESISTANT EXTREME INDUSTRIAL GREASE

### GENERAL PURPOSE SERIES

**TEC PLEX<sup>®</sup> 2460** 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 2, 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 Grades 1 and 1.5



**DAUBERT**  
CHEMICAL COMPANY, INC.

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#### PHYSICAL PROPERTIES

#### TEST METHOD

#### TYPICAL VALUES

|   |            |           |
|---|------------|-----------|
| NLGI Grade  | ASTM D217  | 2         |
| Color   | Visual     | Beige     |
| Texture   | Visual     | Smooth    |
| Dropping Point, °C                                  | ASTM D2265 | 316°C +   |
| Worked Penetration, 60 Double Strokes, dmm          | ASTM D217  | 265 - 295 |
| Mechanical Stability                                |            |           |
| Worked Penetration 10,000 Double Strokes,           | ASTM D217  |           |
| % Change  |            | < 3.0     |
| Worked Penetration 10,000 Double Strokes 10% Water, | ASTM D217  |           |
| % Change  |            | < 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 | < 1       |
| Water Spray Off, % removed                          | ASTM D4049 | 10.4      |
| 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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