# MULTIPLEX - EXTREME EP-2 (BLUE)

## DESCRIPTION

MULTIPLEX - EXTREME EP-2 (BLUE) is a superior multi-purpose grease possessing excellent lubrication characteristics for a wide range of anti-friction and plain bearings, gears and couplings in automotive, marine, agricultural and industrial application. The extreme pressure and anti-wear properties enables the grease to give long service life under high loading and shock loading conditions from low temperature to very high temperature environments. These special characteristics of shear stability, combined with the inclusion of effective rust, oxidation and corrosion inhibitors, and tackiness adhesive additives, ensure this grease is the preferred recommendation for sealed for life anti-friction bearings.

## CHARACTERISTICS

FUNCTIONAL MULTI-PURPOSE grease for LOW and HIGH temperatures. It provides lubricating protection even for intermittent operation up to 200°C. Its ability to prevent scuffing and reduce wear under high load and shock load conditions, together with its excellent resistance to shear and high temperature operation, makes it preferred over other multi-purpose greases, SEALED FOR LIFE BEARINGS have assured long service life due to the exceptional oxidation, rust and corrosion. resistance of MULTIPLEX - EXTREME EP-2 (BLUE). With extended service, it maintains its original consistency. It will not thicken since it resists oxidation. It will not thin out because it is shear resistant.

WATER RESISTANCE. Where water contamination or the water wash out contaminating influences cannot be avoided, even at elevated temperatures, effective lubrication is maintained because of the excellent resistance of MULTIPLEX - EXTREME EP-2 (BLUE) to water wash out. In these situations it also gives protection against rusting and corrosion. ADHESIVE AND COHESIVE, MULTIPLEX - EXTREME EP-2 (BLUE) resists "SQUEEZE OUT" from surfaces requiring lubrication under load conditions.

## RECOMMENDATIONS

MULTIPLEX - EXTREME EP-2 (BLUE) is the prime recommendation for use in applications where high thermal resistance is required. These applications include industrial, automotive, earthmoving and marine applications such as wheel bearings, chassis, boat trailer wheel bearings and other applications requiring grease lubrication. First choice for electric motors. Excellent recommendation for ball joints which demand characteristics will ensure minimum wear and minimum torque with complete protection against rust.

| TYPICAL TESTS | ASTM METHOD | LITHPLEX TAC EP2 |
|---|---|---|
| NLGI Grade | - | 2 |
| Soap Type | - | Lithium Complex |
| Colour | - | Blue |
| Texture | - | Smooth, Tacky |
| Penetration at 25°C - Unworked | D.217 | 270 |
| Worked, 60 Strokes | D.217 | 275 |
| Worked, 100,000 Strokes, Change % | D.217 | +10 |
| Dropping Point, °C | D.2265 | 260+ |
| Roll Stability, Penetration Change % | D.1831 | +10 |
| Leakage, Wheel Bearing 65g - | | |
| Packed, 163°C, g | D.1263 | 1.5 |
| Water Washout at 80°C, % | D.1264 | 3.5 |
| Oil Separation 24 Hours at 25°C kPa | D.1742 | 2 |
| Oxidation Stability - | | |
| Pressure Drop at 100 Hour, kPa | D.942 | 15 |
| at 500 Hour, kPa | D.942 | 70 |
| Lubrication Life, Bearing No.204 - | | |
| 10,000 rpm, 163°C, Hours | D.3336 | 125 |
| Rust Prevention Rating | D.1743 | Pass |
| Timken, OK Load, Kg | D.2509 | 23 |
| 4-Ball Weld, Kg/f | D.2596 | 315 |
| 4-Ball Wear Scar, mm | D.2266 | 0.48 |
| Base Oil, cSt at 40°C | D.445 | 190 |
| at 100°C | D.445 | 18.5 |