



## Gulflex EP

### *Lithium EP Grease with MoS<sub>2</sub> for Heavy Duty Automotive Applications*

#### Product Description

**Gulflex EP** grease is multi-purpose lithium soap based grease for use in a wide range of heavy duty automotive applications. It is manufactured from high quality solvent refined base oils and performance additives to provide good structural stability, high dropping point, resistance to water washout and effective protection from wear and corrosion. It also contains 3% molybdenum disulfide (MoS<sub>2</sub>) for enhanced wear protection.

#### Features & Benefits

- Superior extreme pressure and anti-wear properties extend bearing life under varied conditions
- Excellent mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings even in the presence of water
- Very good corrosion protection and resistance to water washout resulting in improved component protection and equipment life
- Good adhesive property ensures that the grease stays in place for longer re-lubrication intervals.
- High drop point ensures extended operating range of up to 130°C.
- Good low temperature fluidity/ pumpability even in cold weather making it ideal for use in centralised lubrication systems on vehicles as well as industrial applications

#### Applications

- Automotive applications subjected to heavy loads, shock loading, particularly under fretting, oscillating/ reciprocating or sliding motion.
- Heavy duty equipments used in Off-highway applications like construction, mining/ quarrying, agriculture & forestry/ logging and other industrial applications.
- General lubrication of machinery, antifriction bearings, sleeve & guide bearings, oscillating bearings.

#### Specifications, Approvals & Typical Properties

| Meets the following Specifications                        |             | NLGI 2         | NLGI 3       |
|---|-------------|----------------|--------------|
| ASTM D4950 GC-LB, ISO 6743-9 L-XBCEB2, DIN 51502 KPF2K-20 |             | x              |              |
| ASTM D4950 GC-LB, ISO 6743-9 L-XBCEB3, DIN 51502 KPF3K-20 |             |                | x            |
| Typical Properties  |             |                |              |
| Test Parameters   | Test Method | Typical Values |              |
| Colour  | Visual      | Grey           | Grey         |
| Texture   | Visual      | Smooth         | Smooth       |
| Thickener Type  |             | Lithium        | Lithium      |
| Type of base oil  |             | Mineral        | Mineral      |
| Molybdenum disulfide (MoS <sub>2</sub> ), %wt             |             | 3              | 3            |
| Estimated Operating Temperature Range                     |             | -20 to 130°C   | -20 to 130°C |
| Base oil viscosity at 100°C, cSt                          | D 445       | 16.9           | 17.1         |
| Consistency, worked penetration 60 strokes                | D 217       | 280            | 235          |
| Penetration after 100,000 strokes, change in consistency  | D 217       | 30             | 30           |
| Dropping Point, °C  | D 2265      | 190            | 190          |
| Oxidation Resistance, Pressure drop, psi                  | D 942       | 0.5            | 0.5          |
| Four Ball weld Load in kgs.                               | D 2596      | 250            | 250          |
| Timken Load, lbs  | D 2509      | 50             | 50           |
| Four ball wear, Scar Dia, mm                              | D 2266      | 0.6            | 0.6          |
| Copper strip corrosion at 100° c for 24 hrs, rating       | D 4048      | 1a             | 1a           |
| Rust Protection   | D 1743      | Pass           | Pass         |

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

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