



## Gulflex LC

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

#### Product Description

**Gulflex LC** grease is heavy duty high performance lithium complex soap based grease for use in a wide range of automotive and industrial applications. It is manufactured from high quality lithium complex thickener, solvent refined base oils and performance additives to provide good structural stability, 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. It is specially designed to deliver outstanding performance in arduous automotive, industrial and mining applications.

#### Features & Benefits

- Outstanding 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 200°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

- Heavy duty equipments used in automotive, construction, marine, off-shore, cement, mining/ quarrying, agriculture & forestry/ logging and other industrial applications under severe conditions particularly under fretting, oscillating/ reciprocating or sliding motion.
- Off-highway applications and other arduous automotive applications like "fifth wheel lubrication"
- 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-XBGE2, DIN 51502 KPF2K-20		X	
ASTM D4950 GC-LB, ISO 6743-9 L-XBGE3, DIN 51502 KPF3K-20			X
Typical Properties			
Test Parameters	Test Method	Typical Values	
Colour	Visual	Dark Grey	Dark Grey
Texture	Visual	Smooth	Smooth
Thickener Type		Lithium Complex	Lithium Complex
Type of base oil		Mineral	Mineral
Molybdenum Disulphide , %wt.		3%	3%
Estimated Operating Temperature Range		-10°C to 200°C	-10°C to 200°C
Base oil viscosity at 100°C, cSt	D 445	32	33
Consistency, worked penetration 60 strokes	D 217	280	235
Dropping Point, °C	D 2265	280	280
Roll Stability, change in consistency	D 1831	6.5	6.5
Water Washout @ 79°C, % wt loss	D 1264	3.0	3.0
Four Ball Weld Load in kgs.	D 2596	315	315
Four Ball Wear, Scar Dia, mm	D 2266	0.48	0.45
Timken Load, lbs	D 2509	50	50
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.

Gulf Oil International

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