

## POWEROIL GEM LC2 Extreme Pressure Greases

**POWEROIL GEM LC2** is a premium quality lithium complex base grease having extreme pressure (EP) properties. The product fortified with high base oil viscosity and good thickener provides excellent high temperature performance, bear higher thermal stresses and good water resistance characteristics. *POWEROIL GEM LC2* offer high lubricity and shear stability because of its EP characteristics.

### Benefits

- Excellent shear stability
- High load carrying capacity
- High oxidation stability
- Good anti- rust & anti-corrosion properties
- Recommended for wide range of applications

### Applications

POWEROIL GEM LC2 is recommended for both plain and anti-friction bearings in a wide variety of applications such as automotive, earth moving equipment's, gear couplings, ball & roller bearing operating under high temperature & shock loads. POWEROIL GEM LC2 used in application where high thermal and mechanical loads applied. It applicable with operation temperature varies from -20 °C to +140.

### Performance Specifications

POWEROIL GEM LC2 meets the requirements of the following specifications:

- IS 14847 – 2000
- IPSS 1-09-020-20(Second Revision)

### Typical Characteristics

CHARACTERISTICS	POWEROIL GEM LC2
Appearance /Colour	Smooth, homogenous, tacky and blue
NLGI Grade	2
Thickener Type /Soap	Lithium Complex
Worked Penetration @ 25°C, 60 strokes ASTM D -217	265-295
Base oil Viscosity at 40°C, cSt	220
Drop Point , °C	Typical 280°C (Min 260°C)
Dynamic Rust Test (SKF Emscor) in D/W	0,0
Resistance to Water washout, % wt loss	5 max
Oxidation stability at 100°C, for 100 hrs, psi	0.5 max
4 Ball Weld Load, kgf ASTM D -2596	315 min
4 Ball Wear Scar Dia, mm	0.6 max
Oil Separation during storage, % wt loss	5 max
Operating Temperature Range	-20°C to +160°C

**Note:** Always consult your owner's manual to check for recommended viscosity grade and specifications of oil for your particular vehicle.