



## **TECHNICAL DATA SHEET**

### OBLUBE LITHIUM GREASE

***Product Description:***

OBLube Lithium Grease is a range of extreme pressure multi-purpose lithium soap greases with a special additive package. These products contain oil soluble anti-wear, extreme pressure, oxidation, rust and corrosion inhibitors.

***Benefits:***

- OBLube Lithium Grease provide,
- Excellent resistance against water wash-out
  - Excellent shear stability
  - Protection against corrosion and oxidation
  - Outstanding protection against rust
  - Good high temperature stability
  - Good extreme pressure properties
  - Good elastomer/ seal compatibility
  - Excellent mechanical stability

***Operating Temperature Range:***

NLGI 0: -25°C to 110°C

NLGI 1: -20°C to 120°C

NLGI 2 & 3: -20°C to 130°C

Operating beyond these temperatures would require frequent regreasing to maintain grease consistency & other properties.

***Applications:***

OBLube Lithium Grease are recommended as multi-purpose greases for many heavy-duty automotive, commercial, and industrial applications, which include:

- Anti-friction bearing
- Chassis lubrication
- Roller and needle bearing
- Construction equipment
- Wheel bearing
- Winches
- Presses
- Low and high speed plain bearings
- Electric motor bearings
- Water pump bearings

OBLube Lithium NLGI 0 is recommended for use in gear units where oil leakage is a problem.

OBLube Lithium NLGI 1 is recommended for long-distance centralized grease dispensing systems.

***Maintenance:***

Maintaining a clean working environment is critical when equipment greasing is performed. Over-greasing should be avoided as excessive heat buildup can result.

***Physical Characteristics:***

OBLUBE LITHIUM GREASE							
PRODUCT CODE				OB053	OB054	OB056	
NLGI Consistency				0	1	2	3
Soap Type				Lithium			
Base Oil Type				Mineral			
Appearance				Smooth, Butter-Like			
Base Oil Viscosity	@ 100°C	ASTM D445	cSt	19	15.5	15.5	15.5
Dropping Point		ASTM D566	°C	N/A	180	190	195
Unworked Penetration	@ 25°C	ASTM D217	0.1 mm	375	320	275	244
Worked Penetration, 50X	@ 25°C	ASTM D217	0.1mm	380	325	280	250
Wheel Bearing Leakage after 6 hours	@ 110°C	ASTM D 1263	gm	N/A	N/D	< 2	< 2
Water Washout Resistance		ASTM D 1264	% wt	N/D	N/D	< 5	< 5
Four-Ball Weld Load		IP 239	kg	N/D	N/D	< 260	< 260
Long Distance Pumpability				Very Good	Good	Fair	Poor

***Health and Safety:***

OBLUBE Lubricants are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Use gloves which are impervious to oil and chemicals when handling used oils. Avoid skin contact. If lubricants come in contact with skin, wash immediately with soap and water.

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