PHILLIPS 66 LUBRICANTS

Multiplex® 600

Phillips 66® Multiplex 600 is a high quality, multipurpose, extreme pressure (EP) lithium complex grease developed for the lubrication of automotive and industrial equipment operating under heavy loads and at moderate to high temperatures. It is recommended for use in a variety of automotive, agricultural, construction, mining and industrial applications. It is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

Multiplex 600 is manufactured with high quality base oils, a special polymer and a lithium complex soap thickener. It is fortified with EP and antiwear additives plus rust and oxidation inhibitors. It has excellent thermal stability at high temperatures, high load carrying capacity for excellent wear protection, and protects metal parts against rust and corrosion. Its tackiness properties and heavy base oil provide a high level of adhesion to bearing surfaces maintaining an effective seal to help minimize bearing contamination, improve retention, reduce leakage and provide excellent resistance to water washout.

Applications

- Agricultural, construction, mining and industrial equipment operating under heavy or shock loads
- Wheel bearings of passenger cars, trucks, high performance vehicles, sport utility vehicles and motorcycles equipped with disc brakes
- Ball joints, universal joints, other chassis parts and water pumps on passenger cars, trucks and other mobile equipment
- Conveyor bearings
- Pellet mills manufactured by Bliss Industries (Grade No. 2)

Features/Benefits

- Excellent high temperature performance
- Excellent wear protection
- High load carrying capacity
- Protects against rust and corrosion
- Excellent resistance to water washout
- Good low temperature pumpability
- NLGI GC-LB certified

Multipurpose

Heavy Base Oil

Extreme Pressure

Lithium Complex Grease

NLGI GC-LB Certified

KEEPING THE WORLD RUNNING SMOOTHLY

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Multiplex® 600

Typical Properties			
NLGI Grade		**1**	**2**
Thickener Type		Lithium Complex	Lithium Complex
Color		Red	Red
Texture		Smooth/Tacky	Smooth/Tacky
Density, lbs/gal		7.82	7.83
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)	>260 (>500)
Viscosity, Kinematic	ASTM D445		
Viscosity @ 40°C, cSt		630	630
Viscosity @ 100°C, cSt		44	44
Penetration, Worked (60 strokes)	ASTM D217	310-340	265-295
Oxidation Stability, 100 Hours, psi (kPa)	ASTM D942	2 (13.8)	2 (13.8)
Four-Ball Wear Scar, mm	ASTM D2266	0.48	0.59
Four-Ball EP, Weld Load, Kgf	ASTM D2596	500	500
Timken OK Load, lbs	ASTM D2509	80	80
Corrosion Prevention	ASTM D1743	Pass	Pass
Copper Corrosion	ASTM D4048	1a	1a
Water Wash-out, wt%	ASTM D1264	5	5

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via http://www.phillips66.com/SDS

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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