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Dynalife® HT

Dynalife HT 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.

Dynalife HT is manufactured with high-quality base oils, a special polymer and a lithium complex soap thickener. It is fortified with extreme pressure 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. It forms an effective seal to help minimize bearing contamination. Its tackiness properties and heavy base oil provide a high level of adhesion to bearing surfaces for improved retention, reduced leakage and 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

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**

CONTACT INFORMATION

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Dynalife® HT

Typical Properties

NLGI Grade	1	2
Thickener	Lithium Complex	Lithium Complex
Color	Red	Red
Dropping Point, °C (°F)	260 (500)	260 (500)
Density, lbs/gal	7.44	7.44
Penetration, Worked (60 strokes), ASTM D217	310-340	265-295
Texture	Smooth/Tacky	Smooth/Tacky
Four-Ball EP, ASTM D2596, Weld Load, kgf	315	315
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.45	0.45
Oxidation Stability, ASTM D942, 100 hrs, Pressure Drop, psi (kPa)	2 (15)	2 (15)
Rust Prevention, ASTM D1743	Pass	Pass
Timken OK Load, ASTM D2509, lb	70	80
Water Washout Resistance, ASTM D1264, Weight Loss @ 175°F, %	7.50	2.75
Base Oil Properties:		
Viscosity,		
cSt @ 40°C	625	625
cSt @ 100°C	40.0	40.0
SUS @ 100°F	3,350	3,350
SUS @ 210°F	195	195
Viscosity Index	104	104
Operating Temperature Range,		
°C	-18 to 177	-12 to 177
°F	0 to 350	10 to 350

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.

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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