



SHELL RETINAX[®] GREASE TL 00

Trailer Wheel and Hub Lubricant

Product Description

Shell Retinax[®] Grease TL 00 is a premium quality grease formulated with a selected synthetic base fluid and a lithium complex thickener system to produce a semi-fluid grease. The use of extreme pressure additives as part of the additive package in **Shell Retinax[®] Grease TL 00** provides protection in cases of shock loading. Shock loading can lead to rupture of the oil film and then to metal-to-metal contact, a major cause of severe wear. The extreme pressure additives coat and react with the surface to reduce or even prevent the damage that leads to worn surfaces. Carefully selected performance additives also provide oxidation stability, wear protection, and salt water rust protection. **Shell Retinax[®] Grease TL 00** is naturally tacky toward metal surfaces.

Applications

- premium synthetic semi-fluid grease lubrication of truck wheel hubs*
- problem solving; e.g., lubrication of leaky gear boxes in applications other than truck wheel hubs
- gearboxes that are difficult to service

*Guidelines for the use of semi-fluid grease in this application can be found in TMC (Technology Maintenance Council) recommended practice RP 631A.

Features/Benefits

- semi-fluid
- synthetic
- oxidatively stable
- wear protection
- salt water rust protection
- thixotropic to reduce leakage relative to gear oils
- more readily pumpable at low temperatures in centralized lubrication systems
- ability to lubricate and protect wheel bearings down to -40°C
- naturally tacky for adherence to metal surfaces

Typical Properties of Shell Retinax® Grease TL 00

	Test Method	Retinax TL 00
Product Code		70460
NLGI Grade		00
Color	Visual	Red
Worked Penetration , dmm@77°F 60 Strokes 10,000 Strokes, % Change	D 217 D 217	400 <10
PAO Base Fluid Viscosity cSt at 40°C cSt at 100°C	D 445 D 445	460 41.5
Corrosion Protection, 5% synthetic sea water	D 1743 Modified	Pass
Copper Corrosion	D 4048	1b
Timken OK Load, lb	D 2509	50
Four-Ball EP, Load Wear Index Four-Ball EP, Weld, kg	D 2596 D 2596	46 250
Grease Mobility, g/minute -20°F 0°F 20°F	U.S. Steel Method	4.5 16 50
Guide to Usable Temperature Min, °F Continuous Service, Max, °F Short Exposure, Max, °F		-40 350 450

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.