

TMGL Premium

Railroad Specialty Lubricant



Product description

TMGL Premium is a black, adhesive, semi-fluid grease specifically designed for lubrication of traction motor gear cases of diesel-electric locomotives.

TMGL Premium contains a lithium thickener, very high viscosity base fluid and special EP additive system.

Customer benefits and product features

Customer benefits

Helps protect metal surfaces

High film strength and EP additive package helps protect heavily loaded gears from wear and scuffing. Good low temperature fluidity helps maintain effective lubrication under cold startup conditions.

Contributes to long service life

Effective oxidation resistance helps minimize thickening in high temperature service, while high base oil viscosity and adhesiveness help to avoid leakage from the gear case.

Contributes to equipment protection

Effective corrosion inhibitors help protect gear components from rusting in wet conditions.

Applications

Can include:

- Traction motor gear cases (incorporating appropriate seal designs) where semi-fluid grease-type lubricants are specified
- Older non-sealed traction motor designs that normally use heavy residual-type gear lubricants, where the higher leakage rate that may result is acceptable
- Slow to medium speed industrial gear applications where an EP semi-fluid grease is recommended.

Product approvals, performance, and recommendations

Performance standards

- NA

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Typical test data

TMGL PREMIUM KEY PROPERTIES	RESULTS
Product Code	550404
Consistency	Semi-fluid
Apparent Viscosity, Brookfield cP @ 93.3°C (No. 3 spindle, 4 rpm)	7,500
Oil Viscosity, mm ² /s @ 100°C	425
Thickener (Lithium), m%	1.5
Timken OK Load, kg	18

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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