



Thuban® GL4

Mild Extreme Pressure Automotive Gear Oil

Product Data Sheet

Customer benefits

- **Low maintenance**

Special mild-EP additive and corrosion inhibitor system is non-corrosive towards sensitive copper alloy components and protects ferrous metals against rusting in the presence of moisture. Good thermal stability keeps gear cases and bearings clean and free from harmful deposits.

- **Long gear equipment life**

Special sulfur-phosphorus mild-EP additive system provides good load carrying capacity to resist gear tooth wear and scoring.

- **Long oil service life**

Highly refined base oil and special inhibitor system provide good oxidation stability to resist oil degradation and thickening in service.

Applications

- Automotive spiral-bevel drive axles for which API GL-4 performance oils are acceptable or required
- Automotive steering gears for which API GL-4 performance oils are required
- Tractor and agricultural gear sets, and oil-lubricated track rollers of crawler tractors for which API GL-4 performance oils are required
- Industrial applications for which API GL-4 lubricants are suitable

Performance standards

- Suitable for use where API GL-4 oils are specified

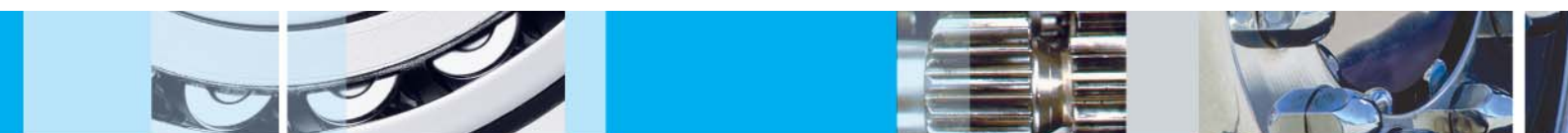
Service Considerations

Thuban GL4 is designed primarily for use in those spiral bevel and other type drive axles whose design and operating conditions indicate the use of a mild-EP gear oil in the API GL-4 performance class. It has limited applications in manual transmissions where simple API GL-4 gear oils such as Thuban GL4 are acceptable, but such applications are now in the minority.

Product features:

High quality, mild-EP automotive gear lubricant designed for applications where API GL-4 performance is required.

A Chevron company product



Manual transmission fluids (MTFs) are now generally highly specialized products, and there is significant divergence of OEM requirements and diversity of product types. It is true that many MTFs meet API GL-4, but this is largely incidental, as primarily they are defined by other requirements including but not limited to materials compatibility, synchromesh performance and durability, shift feel properties, and gear wear and pitting protection. Simple API GL-4 gear oils are not required to meet these requirements, as the specification requirements and qualification tests are wholly drove axle-based.

Thus Thuban GL4 is not generally recommended for use in manual transmissions unless it can be established that a simple API GL-4 class product is all that is required. In such cases, though, Translube LD would be a better choice.

Chevron offers a wide range of purpose-designed MTFs for both light and heavy duty applications. These include: Easy Shift, Delo® Synthetic Transmission Fluid, Delo® Trans Fluid ESI, Delo® Manual Transmission Fluid, and Translube LD.

Product specifications

THUBAN GL4 KEY PROPERTIES	RESULTS	
SAE Grade	90	140
Pour Point, °C	-21	-15
Timken OK Load, kg	24	24
Viscosity,		
mm ² /s @ 40°C	190	359
mm ² /s @ 100°C	17.5	26.0
Viscosity Index	99	96

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

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 www.caltexoils.com.

For more information, go to www.chevronlubricants.com