

## TRION – SAE 75W90

### DATA SHEET

#### Totally Synthetic Fluid API GL-5/MT-1

TRION is a fully synthetic lubricant designed for transmissions with strict requirements, offering optimal performance for gearboxes subject to high load conditions, extreme pressure (EP), and shock loading. It balances synthetic oils with an innovative additive system, providing significant advantages over conventional gear oils.

#### Applications & Benefits

- **Improved Technology:** Advanced additives and fully synthetic bases enhance load performance, speed pair, and heavy-duty road maintenance equipment.
- **Active Control:** The additives ensure continuous performance against friction, controlling wear, thermal stability, cutting, and preventing corrosion and rust, leading to longer gear and bearing life.
- **Start & Stop:** Extraordinary fluidity at low temperatures aids gearbox start-up, reducing wear and easing transmission commissioning.
- **Foam Resistance:** Ensures stable film formation, minimizing foaming and ensuring reliable lubrication.
- **Compatibility:** Compatible with a wide range of sealing elastomers, reducing lubricant loss from gasket deterioration.

#### Specifications

- API MT-1/GL-5/GL-4

#### RECOMMENDATIONS

- DTFR 12B140
- Iveco, Scania STO 1:0, MAN 341 Type E3/Z2
- MAN 342 Type M3, S1, Volvo 97312, DAF
- Mack GO-J, MIL-PRF-2105E, ZF TE-ML series (02B, 05B, 07A, 12B, 12L, 12N, 16F, 17B, 19C, 21B)
- DD DFS93K219.01, ARVIN MERITOR 0-76-N



\*For further information please contact the Technical Service.

## Chemical-Physical Characteristics

TEST	Method	75W90
Appearance	Visual	Clear
Density @ 15°C, kg/dm <sup>3</sup>	ASTM D 4052	0.865
Viscosity @ 40°C	ASTM D 445	115.0
Viscosity @ 100°C	ASTM D 445	18.0
Viscosity Index - Unit	ASTM D 2270	170
Flash point, °C	ASTM D 92	220
Pour point, °C	ASTM D 97	-39

NOTE: The above values are "typical" for normal production tolerance and do NOT constitute a specification.

## Storage & Health

Store under cover, away from temperatures above 60°C or direct sunlight. Avoid freezing temperatures. No health effects when used properly.

## Environmental Guidelines

Do not discharge lubricant into sewage, soil, or water. Dispose of used lubricant at authorized collection points.