



Texaco Multigear[®] S SAE 75W-90

High performance synthetic Total Driveline Lubricant

Product Data Sheet

Product description

Texaco Multigear S SAE 75W-90 is a high performance synthetic Total Driveline Lubricant offering extended drain capability, designed for API GL-4 and API GL-5 applications, and offers good thermal stability in higher temperature operations.

Texaco Multigear S SAE 75W-90 is formulated with fully synthetic base oils in combination with an advanced high performance additive system.

Customer benefits

- Specially tuned friction characteristics make the product suitable for use in many synchronised manual transmissions and final drives, allowing inventory rationalisation
- Long-drain capability helps reduce overhaul and maintenance downtime
- High performance advanced additive system provides reliable extreme pressure protection and wear resistance
- Low-temperature fluidity offers component protection by allowing rapid oil circulation during cold weather start-up
- High Viscosity Index and good shear stability help provide viscosity and film thickness sufficient for effective high temperature lubrication throughout fluid service life

Applications

- Texaco Multigear S SAE 75W-90 is designed for use in automotive manual transmissions which require a fluid with API GL-4 or GL-5 performance, and for hypoid drive axles where an EP oil meeting API GL-5 or MT-1 is required. It is approved against standard SAE J2360 (former MIL-PRF-2105E)
- The thermal stability makes Texaco Multigear S SAE 75W-90 suitable for use in applications with higher operating temperatures than is possible when using mineral gear oils. The special characteristics of the synthetic base oils lead to a reduction in the operating temperature, further extending the service capability in arduous operating conditions, or improving fuel economy in normal service conditions.

Product highlights:

- Suitable for many synchronised manual transmissions and final drives
- Long-drain capability
- Provides reliable EP protection and wear resistance
- Offers rapid oil circulation during cold start-up
- High Viscosity Index and good shear stability

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It is capable of significantly longer service intervals than conventional mineral gear oils: up to twice as long in transmissions and more than three times as long in drive axles. (The precise service interval varies according to application and service severity - refer to the manufacturers' literature for further details)

- Texaco Multigear S SAE 75W-90 is not recommended for use in ZF transmissions fitted with intarders (this includes some models from constructors such as DAF and MAN). For these exceptions, use an approved fluid such as Multigear MTF SAE 75W-80

Approvals, performance and recommendations

Approvals

- DAF Gearbox oil for ZF gearboxes ^[1]
- MAN 341 Type E3
- MAN 341 Type Z2
- MAN 342 Type S1
- Mercedes-Benz MB-Approval 235.8
- SAE J2360 ^[2]
- Scania STO 1:0 ^[3]
- Volvo 97312
- ZF TE-ML 02B ^[4]
- ZF TE-ML 05B ^[4]
- ZF TE-ML 12L ^[4]
- ZF TE-ML 12N ^[4]
- ZF TE-ML 16F ^[4]
- ZF TE-ML 17B ^[4]
- ZF TE-ML 19C ^[4]
- ZF TE-ML 21B ^[4]

Performance

- API GL-4
- API GL-5
- API MT-1
- DAF Gearbox oil for Eaton gearboxes ^[5]
- DAF Rear axle without hub reduction ^[6]
- DAF Rear axle with hub reduction ^[7]
- MAN 3343 Type S ^[8]
- NATO O-226
- ZF TE-ML 07A ^[9]
- ZF TE-ML 08 ^[9]



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continued

Recommendations

- ZF TE-ML 12B ^[10]

- [1] ZF gearboxes without intarder, standard changing interval.
- [2] Approval number: PRI GL 0507
- [3] Approved for use in gearboxes; also permitted in some lightly-loaded long-haul axle applications (trucks - operation types 0 and 1; busses - operation type 1). Other axle applications require higher viscosity fluids.
- [4] ZF registration number: ZF000815
- [5] Eaton gearbox applied in vehicle series LF45/55, 65/75/85 CF, CF 65/75/85; extended changing interval.
- [6] Except for type V200/V400 (requires an SAE 85W-140 oil). Extended changing interval.
- [7] Except for type 1356 (requires special product). Standard changing interval.
- [8] Formerly approved. MAN 3343 Type S is now obsolete and has been replaced by 341 Type E3 and 341 Type Z2 (manual transmissions), and 342 M3 (axles and transfer cases).
- [9] Products meeting the necessary performance requirements for these standards are approved for use by ZF, but there is no product listing.
- [10] ZF has transferred this approval to the new class TE-ML 12N, which is a higher performance level.

Typical test data

TEXACO MULTIGEAR S SAE 75W-90	
TEST	RESULTS
Shelf Life: 60 months from date of filling indicated on the product label.	
SAE Grade	SAE 75W-90
Product Code	510324
Viscosity, Kinematic, 100°C, mm ² /s	14.7
Viscosity, Kinematic, 40°C, mm ² /s	98
Viscosity, Brookfield, -40°C, mPa.s	56,000
Viscosity Index	157
Density, 15°C, kg/l	0.868
Flash Point COC, °C	202
Pour Point, °C	-54

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.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Environment, Health and Safety Information is available on this product in the Caltex Material Safety Data Sheet (MSDS) and Caltex 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

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