



Multigear[®] 75W-90 R

High performance part synthetic Total Driveline Lubricant

Product description

Multigear 75W-90 R is a high performance part synthetic multigrade Total Driveline Lubricant suitable for applications requiring API GL-4 and API GL-5 performance. It is formulated with part-synthetic base stocks and a balanced additive system.

Customer benefits

- Specially tuned friction characteristics are suitable for synchronised manual transmissions and final drives, reducing inventories
- Long drain capability helps reduce oil service intervals and downtime
- High viscosity index maintains high temperature lubrication performance and protection
- Low temperature fluidity promotes rapid lubricant circulation and system protection during cold weather start up
- Robust EP performance offers protection against wear, scuffing and pitting in gears and bearings
- Reliable oxidation stability offers resistance to in-service oil thickening and harmful varnish and deposit formation
- Promotes rust and corrosion protection in ferrous and yellow metal gears and bearings
- Compatible with a wide range of elastomers, helping prevent fluid loss through seal deterioration
- Good foam suppression

Product highlights

- **Suitable for synchronised manual transmissions and final drives**
- **Long drain capability**
- **High temperature performance**
- **Promotes cold weather start up protection**
- **Robust EP performance**

Selected specification standards include:

API GL-4

API GL-5

API MT-1

Applications

- Multigear 75W-90 R 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
- The thermal stability makes Multigear 75W-90 R suitable for use in applications with higher operating temperatures than is possible when using mineral gear oils. It is capable of longer service intervals than conventional mineral gear oils
- Multigear 75W-90 R is suitable for use in the axles of many SUV's, including most Land Rover models (except for Discovery 3/4) and the Opel/Vauxhall Frontera
- Multigear 75W-90 R is not recommended for use in ZF transmissions fitted with interarders (this includes some models from constructors such as DAF and MAN). For these exceptions, use an approved fluid such as Multigear MTF 75W-80

Approvals, performance and recommendations

Performance

- API GL-4 Meets requirements
- API GL-5 Meets requirements
- API MT-1 Meets requirements

Typical test data		
Test	Test methods	Results
Viscosity Grade		75W-90
Product Code		32978
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	14.4
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	81
Viscosity, Kinematic, -10°C, mm ² /s	ASTM D445	1560
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	55,000
Viscosity Index	ASTM D2270	186
Density, 15°C, kg/l	ASTM D4053	0.876
Flash Point COC, °C	ASTM D92	200
Pour Point, °C	ASTM D5950	-48

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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