

NEO Synthetics

{PERFORMANCE UNDER PRESSURE}

GEAR OIL 75W90RHD



Product Data Sheet – NEO Synthetics High Performance Motor Oils

NEO 75W90RHD synthetic gear oil is designed to take 80% more load carrying capabilities than its competitors.

NEO 75W90RHD is compounded with the most recently developed additive system to provide the ultimate in gear protection, from an E.P. wear, corrosive wear and shock load wear standpoint.

A friction modifier is also employed, to reduce sliding friction resulting in lower energy requirements, thus less drag, lower fuel consumption and more horsepower.

NEO synthetic gear oils offer both cold temperature advantages (Pour Point is -45°F) and high temperature stability (Flash Point is 480°F). As a multi-grade product meeting the low temperature viscosity requirements of an SAE 75 W grade gear oil, but also meeting the viscosity requirement of

SAE 90 grade at operating temperatures. The base is a unique combination of synthetic components, that permits meeting SAE 75w90 viscosity requirements, without the need for a viscosity improver.

Extended Lubricant Utility:

NEO 75w90RHD gear oil spans a wide range of viscosity classifications, making it the first truly dependable “All Seasons” gear oil. This means it will flow and properly lubricate at the lowest winter temperature, while providing the film strength for heavy duty operations during boiling hot summer driving conditions.

Specifications	
Specific gravity Flash, °C	15.6°C (60°F) 0.87
Flash, °C	246 (475°F)
Viscosity @ 100°C cST (SUS)	15.4
Brookfield vis., -40°C	48.5
Pour Point	-45
Viscosity Index	180
7-Day Moisture Corrosion	PASS
(L-33) API GL-5 Test Sequence	PASS
Mil-L-2105 C Test Sequence	PASS

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Advantages of such an oil have long been recognized as evidenced by the universal acceptance of multi-viscosity motor oils.

Many lubricant manufacturers have previously offered multi-graded gear oils. These oils have been formulated with the conventional viscosity index improvers used to produce multi-vis oils but these additives, which work so well in motor oils, will not withstand the extreme pressures and shearing forces encountered in normal gear operation.

Consequently, the advantages of multi-grading are lost after only a few thousand miles of service.

The new additive system used in NEO 75w90RHD is almost totally resistant to these forces.

NEO 75w90RHD shows virtually no change in grade even after 50,000 miles or more of operation in heavily loaded, hypoid axle drives. This means that in addition to the fuel savings generated, NEO will provide true year round performance in all climates, from arctic cold to desert heat.

Additionally, it will provide superior all-around performance in virtually all applications calling for gear oil rated from GL-2 through GL-6, in any viscosity grade from 75w, 80w or 90w. This can result in reduced gear oil inventories allowing a single lubricant to replace as many as 4 or 5 separate oils.

Applications:

NEO 75w90RHD gear oil is recommended for automotive type gear service in manual transmissions, differentials, transfer cases, over-drive units, oil lubricated wheel bearings, oil lubricated universal joints, steering gear boxes, or any other gear unit calling for a high quality heavy duty 75w90 hypoid type gear oil.

NEO 75w90RHD also is recommended for use in all limited slip type differential designs. NEO 75w90RHD meets or exceeds performance requirements of Military Specification Mil-L-21058, Mil-L2105-C, and API Specification GL-5, GL-6, and SAE Classification J306a.