



DURALIFE® FULL SYNTHETIC GEAR OILS

Duralife® Full Synthetic Gear Oils are formulated with polyalphaolefins (PAOs) & esters synthetic base stocks and a premium performance, extreme pressure gear oil additive package to meet the latest requirements of gear manufacturers requiring API GL-5, API MT-1 gear lubricants. They are designed for conventional rear axles, limited slip rear axles, and transmissions requiring EP Gear oils under high speed, heavy load, high torque, and high horsepower conditions. They maintain a full film of protective lubricant under a wide range of temperature, from very low temperatures to high temperatures.

APPLICATIONS:

Duralife® Full Synthetic Gear Oils are recommended for use in both limited slip differentials and conventional axles requiring factory-fill or drain-and-fill levels of limited slip performance. They can be used in passenger cars, sport utility vehicles, vans, modern trucks/buses/construction or agricultural equipment.

They meet the following performance requirements:

API SERVICE GL-5/ MT-1, SAE J2360, MIL- PRF-2105D, MIL- PRF-2105E

MB 235.8, Mack Go-J plus, Scania STO 1:0, International TMS-6816

Limited Slip M2C119A /M2C154A

SAE 75W: VW TL 521 71(G 052 171 A1/A2), VW TL 521 78(G 052 178 A2),

VW TL525 12(G 052 512 A2), VW TL 726(G052 726 A2/ G055 726 A2/G060 726 A2/G070 726 A2)

BENEFITS:

- Provide outstanding oxidation, thermal stability.
- Protect gear teeth against pitting, spalling and scouring.
- Improved cold weather flow ability lubricates components faster and provide better cold weather shift- ability in manual transmissions.
- Non-corrosive to steel and other metals.
- Excellent anti-wear, antirust, anticorrosion, antifoam properties.
- Long service life

TYPICAL CHARACTERISTICS

Test	Method	Typical Results						
		75W	75W-90	75W-140	80W	80W-90	80W-140	80W-250
SAE Grade								
API Gravity	ASTM D287	33.42	33.42	31.7	33.03	32.08	30.77	29.66
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	0.858	0.858	0.867	0.860	0.865	0.872	0.878
Viscosity @ 40°C, cSt	ASTM D445	37	101.49	189.11	75.4	129.33	218.95	486.37
@ 100°C, cSt		6.5	14.77	24.61	11.2	17.27	27.31	49.00
Brookfield Viscosity ,cP	ASTM D2983	85,000 @ -40°C	48,800 @ -40°C	139,000 @ -40°C	143,200 @ -26°C	21,200 @ -26°C	38,500 @ -26°C	101,600 @ -26°C
Viscosity Index	ASTM D2270	144	151	161	144	146	160	160

Test	Method	Typical Results						
Flash Point, °C (°F)	ASTM D92	205 (401)	210 (410)	218 (410)	210 (410)	210 (410)	215 (419)	220 (428)
Pour Point , °C (°F)	ASTM D97	-49 (-56)	-49 (-56)	-47 (-52.6)	-44 (-47)	-44 (-47)	-38 (-36.4)	-35 (-31.0)
Timken OK Load, lb	ASTM D2782	70	70	70	70	70	70	70

The above characteristics are average values based on recent production. Minor variations which do not affect product performance are to be expected in normal manufacture.

WARNING:

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children.

Don't pollute. Conserve resources. Return used oil and container to collection centers

Reference SDS Number 12045 database on our website at www.amtecol.com
OR scan the code for a direct link

