

PUMA UniSynth Gear Oil 75W-90

A High Performance Semi-Synthetic Gears and Final Drives Oil

PUMA UniSynth Gear Oil 75W-90 is a Next Generation, Semi Synthetic EP (Extreme Pressure) gear oil designed for highly loaded gears and axles. It can also be used in other automotive applications including conventional gear-boxes on cars and trucks, final drives, power take-offs on farm and earth-moving machinery where API GL-5 is required. PUMA UniSynth Gear Oil 75W-90 high and low temperature performance exceeds those of conventional SAE 80W-90 or SAE 85W-90 gear lubricants.

- ✓ Semi-Synth Base Oil
- ✓ Wear Protection
- ✓ Extended Drain interval
- ✓ Extreme Pressure Additives

Designed to Perform

Wear Protection – Longer Equipment Life

Proven wear protection additive packages provide greater resistance to sliding wear thus ensuring efficiency and long life of all moving parts of which greatly reduce the need for servicing and overhauls.

Multi-grade Performance

Formulated from a Semi-Synthetic basestock with a high viscosity index and low pour point, Puma UniSynth Gear Oil 75W-90 provides superior all-climate, year-round performance.

Oxidation Resistance - Longer Oil Life

It has extremely good oil life and lubricant stability even when subjected to unusually high thermal stresses; this property minimises sludge and deposit formation, thus guaranteeing that the oil remains properly fluid. Maintenance costs are therefore reduced and the useful service life of the oil is extended.

Anti-corrosion & Anti-rust Properties

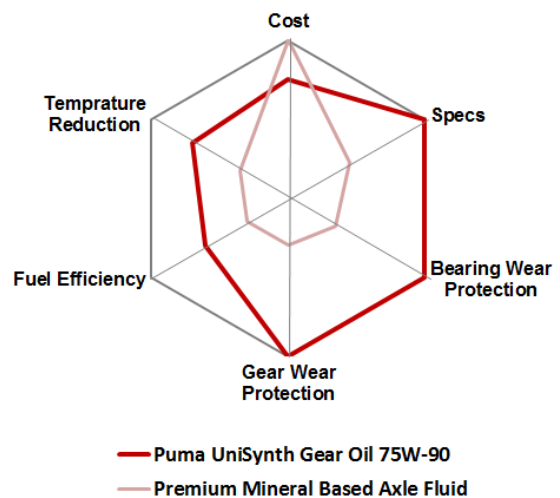
These inhibit the oxidation of internal surfaces of industrial gear systems and therefore prevent operating difficulties and breakdown of the oil caused by metallic oxides that would otherwise form within the machinery.

Applications

PUMA UniSynth Gear Oil 75W-90 is recommended for applications where wear or heat present major problems. These applications include manual transmissions where EP type lubricants are recommended, heavy and medium duty differentials including limited slip, and transfer cases for heavy equipment, trucks, tractors and industrial gear drives. Final gear drives and differentials in railway, trams and high speed trains are other potential uses of these lubricants.

PUMA UniSynth Gear Oil 75W-90

Compared to a premium Mineral based axle fluid, Puma UniSynth Gear Oil 75W-90 shows advantages in many areas.



PUMA UniSynth Gear Oil 75W-90

Performance Claims

- API GL-5 / MT-1
- SAE J2360
- Meritor O76-Q
- Meritor Europe-Extended Drain
- Siemens/ Flender T7302
- ZF TE-ML 16F
- Scania STO 1:0
- MAN 342 Type M2
- DAF Trucks
- IG Watteeuw

Approvals

- Volvo Transmission Oil 97312

Typical Physical Characteristics

Property	Temp	Units	Test Methods	Results
SAE Grade			SAE J-306	75W-90
Kinematic Viscosity	@ 100°C	cSt	ASTM D-445	15.8
Kinematic Viscosity	@ 40°C	cSt	ASTM D-445	110
Viscosity	@ - 40°C	cP	ASTM D-2983	<150000
Viscosity Index	-	-	ASTM D-2270	152
Flash Point	-	°C	ASTM D-92	>200
Pour Point	-	°C	ASTM D-97	-45
Foam Test Sequence I			ASTM D-892	0/0
Foam Test Sequence II			ASTM D-892	10/0
Foam Test Sequence III			ASTM D-892	0/0
Density	@ 15.6°C	g/mL		0.872
FZG A10/16,6R/90		FLS	CEC L-84-02	>12
FZG S-A10/16.6R/90		FLS	FVA 243	>11

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from sds.pumaenergy.com.au

Protect the Environment

- Take used oil to an authorised collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice may be obtained from your Puma Energy Representative.