

JETTA 870 EP GEAR LUBRICANT

CTA Extreme-Pressure Gear Lubricant · Exceeds API GL-5 / GL-6

DESCRIPTION

JETTA 870 is a revolutionary CTA (Compensatory Thermostat Action) gear oil that surpasses API GL-5 and GL-6 requirements. Even the best ordinary gear oils can barely attain GL-4 (or at very best GL-5), and very rarely can oils meet the API GL-6 requirement.

KEY PERFORMANCE

- Heavily fortified with carefully calibrated extreme-pressure supplements, plus additives for corrosion resistance, oxidation resistance and water-wash performance
- Contains recently developed friction modifiers — one of very few gear oils to use them
- Outstanding shear stability: fully synthetic base-fluid blend loses less than 5% viscosity in the Volkswagen KRL shear test
- Dramatically reduces gear-system noise; prevents scuffing, scoring, galling, pitting and scraping — promotes near-silent running
- Performs perfectly in limited-slip differentials, where ordinary gear oils form an energy-consuming drag and migrate away from the friction area
- Suitable for hypoid gears where the pinion is less than 25% of the crown wheel or offset exceeds 50 mm — beyond the capability of ordinary GL-4/5 oils
- Completely water and water-wash resistant: withstands condensation, humidity and rain without thinning or contamination

APPLICATIONS

Initial fill, top-up or refill of: automotive transmissions; hypoid differentials (especially limited-slip type); and industrial gearboxes.

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TYPICAL DATA

TEST	ASTM	SAE 90	SAE 140	80W90	85W140	75W90	75W140
ISO viscosity grade	D-2422	150	320	150	320	100	220
Density, kg/L at 15.0 °C	D-1298	0.901	0.902	0.901	0.902	0.903	0.884
Viscosity, cSt at 40 °C	D-445	155	352	155	352	110	208
Viscosity, cSt at 100 °C	D-445	15.3	27	15.3	27	15.2	27
Viscosity index	D-2270	99	112	99	112	145	165
Flash point, COC, °C	D-92	220	225	220	225	165	245
Fire point, COC, °C	D-92	240	250	240	250	185	266
Pour point, °C	D-97	-28	-20	-28	-20	-45	-45
Total acid number, mg KOH/g	D-974	3.6	3.6	3.6	3.6	3.6	3.6
Foam, all sequences, after settling	D-892	Nil	Nil	Nil	Nil	Nil	Nil
Copper strip corrosion, 3 h at 100 °C	D-130	1b	1b	1b	1b	1b	1b
Four-ball wear scar dia., mm	D-2266	0.28	0.28	0.28	0.28	0.28	0.28
Timken OK load, lb	D-2782	70	70	70	70	70	70
FZG, pass stages	FZG	12	12	12	12	12	12
Sulphur, % mass	D-129	2.18	2.48	2.18	2.48	2.48	2.48
Nitrogen, % mass	Kjeldahl	0.08	0.08	0.08	0.08	0.08	0.08
Phosphorus, % mass	D-1091	0.185	0.185	0.185	0.185	0.185	0.185

Typical values shown do not constitute a specification. The information is based on current knowledge and is intended to describe the product for possible applications; it does not release the user from performing preliminary tests.