

HYPER-MAX T9 10W-30

HEAVY DUTY DIESEL ENGINE OIL

PREMIUM SYNTHETIC TECHNOLOGY

HIGH PERFORMANCE LOW ASH COMMERCIAL VEHICLE ENGINE OIL DEVELOPED FROM DECADES OF EXPERIENCE IN CONJUNCTION WITH ORIGINAL EQUIPMENT MANUFACTURERS.

THE USE OF OUR PROPRIETARY BASE OIL TECHNOLOGY, ALONG WITH INNOVATIVE ADDITIVE CHEMISTRY GUARANTEES LONG OIL LIFE AND PERFORMANCE WITHOUT ANY COMPROMISE OF ENGINE RELIABILITY.



APPLICATIONS

DESIGNED FOR SEVERE DUTY EUROPEAN, US & ASIAN COMMERCIAL VEHICLE ENGINES WHICH MEET EURO 6, 5, 4, 3, 2 OR US 2002 EMISSIONS REGULATIONS, INCLUDING THOSE FITTED WITH DIESEL PARTICULATE FILTER (DPF), SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM AND/OR EXHAUST GAS RECIRCULATION (EGR), WHERE PERFORMANCE SPECIFICATIONS AND VISCOSITY GRADE ARE APPROPRIATE.

DESIGNED FOR USE IN CONJUNCTION WITH ULTRA LOW SULPHUR DIESEL (ULSD) FUELS.

ALWAYS REFER TO VEHICLE HANDBOOK / OWNERS MANUAL FOR RECOMMENDED OIL SPECIFICATION & VISCOSITY GRADE BEFORE USE.

KEY FEATURES

- HIGH PERFORMANCE PREMIUM TECHNOLOGY
- LOW ASH / LOW SAPS FORMULATION TO ENSURE AFTERTREATMENT DEVICE COMPATIBILITY SUCH AS DIESEL PARTICULATE FILTERS (DPF)
- STAYS IN VISCOSITY GRADE FOR ENTIRE DRAIN INTERVAL
- VERY LOW OIL VOLATILITY SIGNIFICANTLY REDUCES OIL CONSUMPTION
- HELPS PREVENT DIRT AND SLUDGE BUILD UP TO MAINTAIN ENGINE RESPONSIVENESS, REDUCE VIBRATION AND KEEP ENGINE QUIET
- EXCELLENT OXIDATION RESISTANCE PROVIDES LONG OIL LIFE
- MISCIBLE WITH ALL MINERAL & SYNTHETIC ENGINE OIL

PERFORMANCE SPECIFICATIONS & SYNTOL RECOMMENDATIONS

API	CK-4, CJ-4, CI-4, CH-4, CG-4, CF-4
ACEA	E11, E7 (INCL. OBSOLETE E9 SPECIFICATION)
JASO	DH-2
CATERPILLAR	ECF-3
CUMMINS	CES 20086, 20081
DETROIT	DDC93K222
FORD	M2C-171-F1
MACK	EO-S 4.5
MAN	M3275, M3575
MERCEDES BENZ	MB 228.31
MTU	2.1
RENAULT	RLD-4, RLD-3
VOLVO	VDS-4.5, VDS-4

PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	LIMITS
VISCOSITY GRADE	SAE J300	-	10W-30	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.867	-
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	78.00	-
KINEMATIC VISCOSITY @ 100°C	ASTM D445	mm2/s	11.80	9.3 <12.5
VISCOSITY INDEX	ASTM D2270	-	145	-
POUR POINT	ASTM D97	°C	-36	-30 MAX.
FLASH POINT (CoC)	ASTM D92	°C	225	-
TBN – TOTAL BASE NUMBER	ASTM D2896	mgKOH/g	9.7	9.0 MIN.
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	-
COLOUR	VISUAL	-	AMBER	-

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