

# HYPER-MAX T7 15W-40

## HEAVY DUTY DIESEL ENGINE OIL

### PREMIUM TECHNOLOGY

HIGH PERFORMANCE 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.

**SYNTOL**  
LUBRICANTS

#### APPLICATIONS

DESIGNED FOR SEVERE DUTY EUROPEAN, US & ASIAN COMMERCIAL VEHICLE ENGINES WHICH MEET EURO 4, 3, 2 OR US 2002 EMISSIONS REGULATIONS, WHERE PERFORMANCE SPECIFICATIONS AND VISCOSITY GRADE ARE APPROPRIATE.

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

**NOT SUITABLE** FOR USE IN VEHICLES FITTED WITH A DPF (DIESEL PARTICULATE FILTER), FOR THESE APPLICATIONS WE RECOMMEND THE USE OF HYPER-MAX T9 OR T10 PRODUCTS.

#### KEY FEATURES

- HIGH PERFORMANCE PREMIUM TECHNOLOGY
- STAYS IN VISCOSITY GRADE FOR ENTIRE DRAIN INTERVAL
- 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 OILS

#### PERFORMANCE SPECIFICATIONS & SYNTOL RECOMMENDATIONS

API	CI-4, CH-4, CG-4, CF-4, SL
ACEA	E7, E5, E3
JASO	DHD-1
CATERPILLAR	ECF-1, ECF-2
CASE	MS 1121
CUMMINS	CES 20072, 20076, 20077, 20078
DEUTZ	DQC III-10
MACK	EO-N
MAN	M3275
MERCEDES BENZ	MB 228.3
MTU	TYPE 2
RENAULT	RLD-2
VOLVO	VDS-3
ZF	TE-ML 07C

#### PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	LIMITS
VISCOSITY GRADE	SAE J300	-	15W-40	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.887	-
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	106.0	-
KINEMATIC VISCOSITY @ 100°C	ASTM D445	mm2/s	14.40	12.5 < 16.3
VISCOSITY INDEX	ASTM D2270	-	139	-
POUR POINT	ASTM D97	°C	-33	-30 MAX.
FLASH POINT (CoC)	ASTM D92	°C	225	-
TBN – TOTAL BASE NUMBER	ASTM D2896	mgKOH/g	11.1	10.0 MIN.
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	-
COLOUR	VISUAL	-	AMBER	-

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