



Focusing on Enhanced Performance

**Product Name: KENZOL TURBO X1 Diesel Engine Oils (Semi Synthetic)**

**Application:**

- KENZOL TURBO X1 is a semi-synthetic engine oil engineered for modern, high-performance diesel engines.
- Use in wide range of heavy duty applications including trucks, mining, construction equipment, industrial and agricultural industries, and large power generation sets.
- Enriched with advanced additive technology to provide maximum protection against sludge and ash deposits.



**Performance Benefits:**

- Specially designed to control sludge formation ensuring a long life for engines.
- Excellent for all weather performance due to improved cold weather properties.
- Potential to double the oil drain intervals compared to current engine oils.
- Provides outstanding anti-wear, anti-oxidation, anti-foam, anti-rust and anti-corrosive properties.
- High engine cleanliness.

**Performance Level:** Recommended for the below performance levels / grades:

- API Service Category CI-4 / SL, CH-4
- MB 228.30, 229.10
- Renault RXD / RLD-2 / RGD
- MAN M3275
- Volvo VDS-3
- ACEA E7-12, E5, E4, A3 / B4-12
- Global DHD-1
- Deutz DQC 111-10LA
- Caterpillar ECF-2
- MACK EO-N, EO-M Plus
- Cummins CES 20076 / 20077 / 20078
- MTU Type 3.1
- Detroit Diesel DDC 93K215



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Typical Properties: **KENZOL TURBO XI Diesel Engine Oils (Semi Synthetic)**

SAE Grade	Method	10W-40	15W-40	20W-50
Appearance		Bright & Clear	Bright & Clear	Bright & Clear
Density @15° C, gm/ml	ASTM D-1298	0.880	0.880	0.885
Viscosity @100° C, cSt	ASTMD-445	14.25	14.5	19.7
Viscosity @40° C, cSt	ASTMD-445	102.5	110	166
Viscosity Index	ASTM D-2270	142	135	132
Flash point, COC, ° C	ASTM D-92	220	222	238
Pour point, ° C	ASTM D-97	-30	-33	-27
Total Base Number	ASTM D-2896	11	11	11
Foaming Characteristic, ml (mints)	ASTM D-892	0 / <10 10 / <50 0 / <10	0 / <10 10 / <50 0 / <10	0 / <10 10 / <50 0 / <10
Homogeneity & Miscibility	ASTM D-6922	pass	pass	pass