



Focusing on Enhanced Performance

Product Name: **KENZOL -TURBO-SDT Diesel Engine Oils (Fully Synthetic)**

KENZOL TURBO-SDT are long-life innovative diesel engine oils developed specially for the highest levels of performance in on-highway and off-highway diesel engine applications including but not limited to mining, agricultural, construction and marine transportation. In addition to being backward compatible with older engines calling for the API CH-4, CI-4, CJ-4 specifications, this product is also capable of providing the required performance for gasoline engines that need the API SN specification. Suitable for use in LNG and LPG gas fueled engines as well as special equipment from European, American and Asian OEMs meeting the Euro I-VI requirements.



Features & Benefits:

- Excellent stability in viscosity enhancing the efficiency of the engine and resulting in longer life and extended drain intervals.
- Easy cold start in harsh weather conditions and reduced startup wear.
- Outstanding protection from wear, oxidation, and sludge deposits.
- LOW SAPS Technology ensures compatibility with all exhaust gas after-treatment systems.
- Unique technology and proven shear stability that helps perform



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Performance specifications Level:

Recommended for Mack, Volvo, caterpillar, Cummins, Detroit Diesel, Daimler, MAN, Renault & Ford.

- | | | |
|--------------------------------|-----------|----------|
| • API Service category CK-4/SN | • RENAULT | RLD-4 |
| • ACEA E7, E9 | • RENAULT | RLD-3 |
| • CATERPILLAR ECF-3 | • MACK | EO-S 4.5 |
| • CUMMINS CES 20086 | • MAN | M3575 |
| • DETROIT DIESEL DFS 93K222 | • MAN | M3775 |
| • FORD WSS-M2C171-F1 | • MB | 228.31 |
| • VOLVO VDS-4.5 | • JASO | DH-2 |
| • DEUTZ DQC-111-10 LA | | |
| • DEUTZ DQC-111-18 LA | | |



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SAE Grade API Grade	Method	5W-30 API CK-4/SN	5W-40 API CK-4/SN	10W-30 API CK-4/SN	10W-40 API CK-4/SN	15W-40 API CK-4/SN
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Density @15° C, gm/ml	ASTM D-1298	0.850	0.853	0.860	0.862	0.868
Viscosity @40° C, cSt	ASTMD-445	64.40	94.3	74.1	104.4	116.6
Viscosity @100° C, cSt	ASTMD-445	11.0	15.1	11.6	15.5	15.6
Viscosity Index	ASTM D-2270	163.450	169	151	157.182	141.137
Flash point, COC, ° C	ASTM D-92	228	226	232	232	234
Pour point, ° C	ASTM D-97	-45	-48	-39	-36	-36
Total Base Number	ASTM D-2896	11.2	11.4	11.2	11.2	11.0
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	0 / <10 10 / <50 0 / <10	0 / <10 10 / <50 0 / <10
Homogeneity & Miscibility	ASTM D-6922	pass	pass	pass	pass	pass
Copper corrosion@100 ° C	ASTM D-130	1a	1a	1a	1a	1a