

SBK Marine Trunk Piston Engine Oil (TPEO) is a premium performance marine diesel engine lubricant specially developed for medium-speed trunk piston engines operating on distillate and residual fuels. Formulated with high-quality base oils and advanced detergent-dispersant additive technology, SBK TPEO provides excellent piston cleanliness, oxidation stability, wear protection, and resistance against sludge and deposit formation under severe marine operating conditions. SBK TPEO is designed to deliver reliable lubrication performance in marine propulsion engines, auxiliary engines, and power generation units operating in coastal, offshore, and deep-sea applications.

PERFORMANCE, FEATURES & BENEFITS

- Excellent piston cleanliness and deposit control
- High resistance to oxidation and thermal degradation
- Superior anti-wear protection for engine components
- Effective neutralization of acidic combustion by-products
- Excellent detergency and sludge control
- Enhanced engine reliability and longer oil service life
- Good water separation characteristics
- Strong corrosion and rust protection

MAIN APPLICATIONS

- Medium-speed marine trunk piston diesel engines
- Auxiliary marine engines
- Marine power generation units
- Coastal and deep-sea vessels
- Engines operating on low sulfur and residual fuels
- Marine reduction gears where engine manufacturer permits

SPECIFICATIONS & RECOMMENDATIONS

- Medium-speed marine diesel engines
- Marine auxiliary engines
- Marine power generation systems
- Engines operating on distillate and residual fuels
- API CF
- MAN, Energy Solutions
- Wartsila Medium-Speed Engines
- Caterpillar Marine Engines
- Daihatsu Diesel Engines
- Yanmar Marine Engines
- Bergen Engines
- MAK Marine Engines

PRODUCT SPECIFICATIONS

TEST PARAMETER	TEST METHOD	TYPICAL VALUE											
SAE Grade		SAE 30						SAE 40					
BN No		12	15	20	30	40	50	12	15	20	30	40	50
Appearance	Visual	C&B	C&B	C&B	C&B	C&B	C&B	C&B	C&B	C&B	C&B	C&B	C&B
KV @ 40°C	ASTM D445	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR
KV @ 100°C	ASTM D445	10.5	10.5	10.5	10.5	10.5	10.5	14.5	14.5	14.5	14.5	14.5	14.5
Viscosity Index	ASTM D2270	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90	≥ 90
Density @ 15°C	ASTM D4052	0.8876	0.8892	0.8920	0.8972	0.9025	0.9076	0.8907	0.8923	0.8923	0.8998	0.9053	0.9107
Flash Point	ASTM D92	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200	≥ 200
Pour Point	ASTM D97	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
TBN	ASTM D2896	12	15	20	30	40	50	12	15	20	30	40	50