

Product Code:

9933

TBN BOOSTER LOW SAPS

Professional Premium Additive

Suitable for the following engine oils:

API CK-4 / CJ-4 / FA-4
ACEA E11 / E8 / E9 / E6

Description:

MANNOL TBN Booster Low SAPS is a premium additive designed to enhance the Total Base Number (TBN) of diesel and petrol engine oils. This powerful formulation is essential for maintaining optimal engine performance and longevity by increasing the oil's alkalinity, effectively neutralising harmful acids and preventing corrosion.

Application:

Recommended for engines equipped with various types of exhaust gas neutralization systems such as diesel particulate filters (DPF), catalytic converters (TWC), exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) systems to reduce NOx emissions.

MANNOL TBN Booster Low SAPS improves antioxidant stability, neutralizes the negative effects of sulfur in fuel and is recommended for Euro VI and earlier generation engines.

Effectiveness of the additive:

Engine oil drain intervals	Ultra-Low Sulphur Diesel (ULSD) fuel with sulphur content ≤ 10–15 ppm	Higher-sulphur fuel with sulphur content ≥ 0.5 %	Higher-sulphur fuel with sulphur content ≥ 0.5 % + MANNOL TBN Booster
Long-haul highway driving	100,000 km	50,000 km	100,000 km
Urban or stop-and-go driving	75,000 km	37,500 km	75,000 km
Heavy-load or mountainous terrain operation	50,000 km	25,000 km	50,000 km



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Key Benefits:

- **Increased Alkalinity:** Boosts the TBN of engine oils, offering superior acid neutralization.
- **Corrosion Protection:** Prevents corrosion of engine components by neutralizing acidic by-products.
- **Extended Oil Life:** Prolongs the life of engine oils, reducing the frequency of oil changes.
- **Universal Use:** Suitable for both diesel and petrol engines, making it a versatile choice for various vehicles.
- **Improved Engine Cleanliness:** Helps maintain engine cleanliness by preventing harmful deposit formation.
- **Enhanced Thermal-Oxidative Stability:** Improves the thermal and oxidative stability of oils.

MANNOL TBN-Booster is especially recommended for use with fuels that have high sulfur content. It is compatible with all types of engine oils, making it an ideal solution for enhancing the performance and durability of your engine oil, and providing optimal engine protection under the most demanding conditions.

Dosage Instructions:

- For fuels with sulfur content of 50-500 ppm: Add 2 % of MANNOL TBN Booster Low SAPS to the oil. Adding 2 % of the additive increases the Total Base Number of the oil by 4 mg KOH/g.
- For fuels with sulfur content of more than 500 ppm: Add 4 % of MANNOL TBN Booster Low SAPS to the oil.

Methods of dosing into oil:

Sulphur content in fuel:	50-500 ppm	>500 ppm
Diesel Engine Oil <17L	Add 300 ml MANNOL TBN Booster	Add 600 ml MANNOL TBN Booster
Diesel Engine Oil 17-28L	Add 500 ml MANNOL TBN Booster	Add 1000 ml MANNOL TBN Booster
Diesel Engine Oil 28-50L	Add 1000 ml MANNOL TBN Booster	Add 2000 ml MANNOL TBN Booster
Petrol Engine Oil <4L	Add 80 ml MANNOL TBN Booster	Add 160 ml MANNOL TBN Booster
Petrol Engine Oil >4L	Add 120 ml MANNOL TBN Booster	Add 240 ml MANNOL TBN Booster

Product Characteristics:

Test	Method	Unit	Result
Appearance	visual		Bright & Clear
Density @ 15 °C	D 4052	kg/m ³	1.000
Kinematic Viscosity @ 100 °C	D 445	mm ² /s	10.34
Total Base Number (TBN)	D 2896	mg KOH/g	196

Volume:

1L MN9933-1

*For a complete description and specifications, please, contact customer support.

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