



Marine Medium Speed Trunk Piston Oil Additive Package

●Product Introduction

The medium speed trunk piston engine oil package T6323 and T6324 are combined based on different TBN needs blended with superior TBN Booster Calcium Sulfonate, Ashless Dispersant, Corrosion Inhibitor ZDDP, High Temperature Antioxidant and other Lubricant Additive Component. T6323 is the core additive, and T6324 is a high performance TBN booster additive. The medium speed trunk engine oil made of the two products has excellent acid neutralization capacity, detergency and dispersancy, antioxidant, anti-corrosion and water separation property.

●Recommended Dosage

Medium Speed Trunk Piston Engine Package	Treating rate for modulate the oil of different TBN, m/m
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	12 TBN	20 TBN	30 TBN	40 TBN	50 TBN	55 TBN
T6323, %	5.5	5.5	5.5	5.5	5.5	5.5
T6324, %	2.4	5.2	8.6	12.1	15.5	17.2

●Product Quality Characteristics & Test Method

T6323 Medium Speed Trunk Piston Engine Oil Core Agent:

Item	Typical Value	Test Method
Appearance	Brown viscous liquid	Visual Inspection
Kinematic Viscosity (100°C), mm ² /s	99	GB/T265, ASTM D445
Density (20°C), kg/m ³	990	GB/T13377, ASTM D4052
Flash Point (COC), °C	≤190	GB/T3536, ASTM D92
Total Base Number, mgKOH/g	94	SH/T0251, ASTM D2896
N Content, %(m/m)	0.7	SH/T0224, ASTM D3228
Zn Content, %(m/m)	1.7	GB/T17476, ASTM D4951
P Content, %(m/m)	1.4	GB/T17476, ASTM D4951
Ca Content, %(m/m)	3.0	GB/T17476, ASTM D4951
Sulfonate Ash Content, %(m/m)	13	GB/T2433, ASTM D874



T6324 Medium Speed Trunk Piston Engine Oil Booster Additive:

Item	Typical Value	Test Method
Appearance	Brown viscous liquid	Visual Inspection
Kinematic Viscosity (100°C), mm ² /s	94	GB/T265, ASTM D445
Density (20°C), kg/m ³	1098	GB/T13377, ASTM D4052
Flash Point (COC), °C	≧190	GB/T3536, ASTM D92
Total Base Number, mgKOH/g	295	SH/T0251, ASTM D2896
Ca Content, %(m/m)	11.1	GB/T17476, ASTM D4951
S Content, %(m/m)	2.6	GB/T17476, ASTM D4951
Sulfonate Ash Content, %(m/m)	37	GB/T2433, ASTM D874

●Product Storage/Handling/Transportation/Package

For storage, handling and modulation, with reference to SH/T0164, the maximum temperature should not exceed 60 °C; if for the long-term storage, the maximum temperature should not exceed 50 °C. This product is not flammable, non-explosive, non-corrosive, it is same as general petroleum products in safety, environmental protection, use and other aspects, no need the special protection. Product packing: Net weight 200kg iron drum or customized by user's requirements.