

# Opt-Max BoB300

## BOB ADDITIVE

Additive for Use With BOB Blender

Opt-Max BoB300 is an additive that can be used to blend into cylinder oil to varying BN levels from 40 up to 120 BN.

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### Product Description

Opt-Max BoB300 is an additive that is uniquely formulated to blend effectively with used system oil to produce an optimized cylinder lubricant with a variable base number in low speed crosshead diesel engines.

### Features and Benefits

- Provide excellent cold corrosion protection by enhanced neutralization of acidic species.
- Minimizes deposit formation on the piston and prevents ring sticking.
- Excellent detergency and dispersancy which effectively reduces and cleans potential deposits between cylinder liner and pistons.
- Maintains an oil film during severe and high load conditions that reduces frictional wear and prevents scuffing of liners, pistons and rings.
- Improved wear resistance for cylinder liner.
- Compatible with single-phase alkaline diesel cylinder lubricants commonly used in the international market.

### Applications

- Opt-Max BoB300 has been tested and used on-board vessels.
- Suitable for use with existing used system oil with the Blending on Board (Bob) Blender.
- Suitable for blending into cylinder oil with variable BN levels typically from 40 to 120 BN.
- Opt-Max BoB300 needs to be used in accordance to the OEM guidelines and recommendations.

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**Opt-Max Global Pte Ltd**

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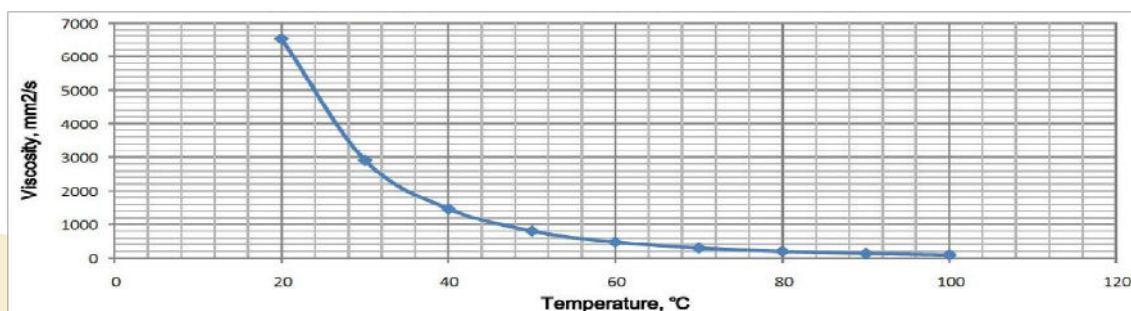
Address: 73 Ubi Road 1 #09-49 Oxley Bizhum , Tel: 65 6285 7833

## Specifications

Product Properties		Opt-Max BoB300	Testing Methods
Kinematic Viscosity (100°C)	mm <sup>2</sup> /s	82.10	ASTM D445
TBN	mgKOH/g	300	ASTM D2896
Flash Point (COC)	°C	> 170	ASTM D92
Density at 15°C	Kg/m <sup>3</sup>	1105.4	ASTM D4052
Density at 20°C	Kg/m <sup>3</sup>	1102.3	ASTM D1298
Density at 50°C	Kg/m <sup>3</sup>	1084.1	ASTM D1298
Sulphated Ash	%	37.24	ASTM D874
Water Content	%	Trace	ASTM D95

\* Above product properties are indicative and subject to change without prior notice.

Viscosity-Temperature relationship Opt-Max BoB300 additive



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## Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max BoB300.
- Opt-Max BoB300 is a very viscous product, heating maybe require for any transfer. It must be stored in dedicated storage tanks/equipment and it is recommended to be stored in an indoor controlled environment.
- The recommended maximum heating temperature is 70 Degree Celsius.
- Opt-Max BoB300 must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrochemical product.

## Health and Safety

Opt-Max BoB300 is unlikely to present any significant health or safety hazard when properly used in the recommended application. This product must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max BoB300 Material Safety Data Sheet.