



# ABF Motor Oils

We redefined lubrication through ABF technology  
Setting the standards in Effectiveness of The Lubricant



## ABF-Lite E3 Fula

### HIGH SPEED HEAVY DUTY DIESEL ENGINE OILS

Produce of Singapore

Updated 2014DEC29

ABF-Lite E3 Fula is premium severe duty engine oil applicable for on and off highway heavy duty diesel engines with emission treat device, such as EGR etc. The oil offers more viscosity control, greater soot loading capability, and better shear stability. ABF-Lite E3 Fula is suitable for all makes of high speed four stroke turbocharged and supercharged diesel engines used on heavy duty both on-highway and off-highway applications and meets specifications of Mack EO-N Premium Plus '03, Caterpillar ECF-2, Caterpillar SCF-1a, Volvo VDS-3, Cummins CES 20076/78, MB 228.3, MAN 3275, JASO DH-1, MTU Type 2.

The unique Steel Shield ABF Technology of the oils provides outstanding performance and protection even in the most extreme conditions.

API CH-4/CG-4 ACEA E7-04

- Excellent dispersancy and detergency properties
- Outstanding oxidation stability
- Effective control over high temperature piston deposits
- Protect engine against wear, corrosion
- Keep engine clean
- Lower exhaust emission
- Prolong engine life
- Increase output power
- Reduce downtime

#### TYPICAL CHARACTERISTICS

SAE Grade			20W50
Viscosity @ 40 °C	cSt	ASTM D445	162
Viscosity @ 100 °C	cSt	ASTM D445	18
Viscosity Index		ASTM D2270	126
Pour Point	°C	ASTM D97	-25
Flash Point COC	°C	ASTM D92	≥210
TBN	mgKOH/g	ASTM D2896	10.5
Sulphated Ash	%wt	ASTM D874	<1.2
Mass Density @ 15°C	kg/l		0.891
Evaporation Rate			<0.01

Remarks : Due to continual research and development, the information contained herein is subject to change without notice. Always follow manufacturers' recommendations for lubricant performance, viscosity grade and oil change interval as these may vary depending on ambient temperature, fuel composition, model, year and environment of operation.

#### STEEL SHIELD TECHNOLOGIES

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