



ABF Motor Oils

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



ABF-ECI M7 Energy / ABF-Lite E3 Doza

LATEST GENERATION HEAVY DUTY DIESEL ENGINE OILS

Produce of Singapore

Updated 2014DEC29

ABF-ECI M7 Energy / Lite E3 Doza are the new generation high performance diesel engine oils specially formulated to meet on-highway exhaust emission standards. With low SAPS technology, these oils provide excellent protection for emission control systems, reduce engine wear, and control piston deposits. When used in conjunction with ultra low sulphur (max. 15ppm), diesel fuel, the oil consumption will be significantly reduced. These oils are the most suitable diesel engine oils for use in 2007 models high performance diesel engines equipped with advanced diesel particulate filters and exhaust gas recirculation systems. It can also be used for all types of heavy duty diesel engines for both on- and off-highway fleets.

The unique Steel Shield ABF Technology of the oils provides outstanding performance and protection even in the most extreme conditions. Highly recommended for MB 228.31, MAN M 3275, VOLVO VDS-4, MACK EO-O PP07, Detroit Diesel 93K218, 93K215, Caterpillar ECF-1A, ECF-2 and ECF-3, RVI RDL-3, Cummins CES 20071 and CES 20081, etc.

ABF-ECI M7 Energy : API CJ-4/CI-4 PLUS/CI-4, API SM/SL/SJ, ACEA E9-08, E7-08,
ABF-Lite E3 Dosa : API CJ-4/CI-4 PLUS/CI-4, API SM/SL/SJ, ACEA E9-08, E7-08,

- Protect the exhaust catalysts and particulate filters
- Enhanced engine cleanliness and viscosity control
- High thermal and high oxidation stability
- Effective control of piston deposits, wear and corrosion
- Extended oil drain interval, Increase output power, Reduce downtime

TYPICAL CHARACTERISTICS

SAE Grade			10W30	15W40
Viscosity @ 40 °C	cSt	ASTM D445	70.8	116
Viscosity @ 100 °C	cSt	ASTM D445	11.5	14.8
Viscosity Index		ASTM D2270	143	136
Pour Point	°C	ASTM D97	-36	-25
Flash Point COC	°C	ASTM D92	212	218
TBN	mgKOH/g	ASTM D2896	10.1	10.1
Sulphated Ash	%wt	ASTM D874	<1.0	<1.0
Mass Density @ 15°C	kg/l		0.872	0.872

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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