



# ABF Motor Oils

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



## ABF-ECI M7 Diamond / ABF-Lite E3 Alfa

Top of the Class  
Produce of Singapore

Updated 2014DEC29

ABF-ECI M7 Diamond / ABF-Lite E3 Alfa are high end fully synthetic engine oils formulated with synthetic base stocks and advanced additives. The unique Steel Shield ABF Technology of the oils provides outstanding performance and protection even in the most extreme conditions such as sporty driving. M7 Diamond meet most stringent OEM requirements of MB p229.5, MB p229.3, BMW Longlife-04, Porsche A40, VW502 00/505 00, Renault 0700, 0710, Ford WSS-M2C913-C. M7 Diamond are recommended for use in all makes of high performance luxury cars especially for those low displacement naturally aspirated high revving gasoline engines such as Renault A40, BMW M5, etc.

ABF-ECI M7 Diamond : API SN/SM/CF, ACEA A3/B3-08, ACEA A3/B4-10.

ABF-Lite E3 Alfa : API SM/SL/SJ/CF, ACEA A3/B3-08, A3/B4-10

Superior oxidation control even under high temperature  
Strong TBN retention, effectively neutralizes acid residue  
Reduces deposit and maintains engine cleanliness  
Excellent protection against corrosion, wear, keeps engine in good condition  
Low volatility, lower oil consumption  
Long oil drain interval  
Increase output power  
Reduce downtime  
Better mileage

### TYPICAL CHARACTERISTICS

SAE Grade			5W40	0W40
Viscosity @ 40 °C	cSt	ASTM D445	85	75
Viscosity @ 100 °C	cSt	ASTM D445	14.2	13.5
Viscosity Index		ASTM D2270	172	180
Pour Point	°C	ASTM D97	-38	-45
Flash Point COC	°C	ASTM D92	222	228
TBN	mgKOH/g	ASTM D2896	10.1	10.1
Sulphated Ash	%wt	ASTM D874	1.08	1.08
Mass Density @ 15°C	kg/l		0.897	0.897

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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