



# ABF Motor Oils

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



## ABF-Lite E3 Econ

Top of the Class  
Produce of Singapore

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ABF-Lite E3 Econ is fully synthetic utmost superior grade motor oils. With friction modifiers this oil provides better fuel economy and extra power output. The high viscosity index and low pour point properties provide excellent cold start-up wear protection and thermal stability. The oil exceeds the performance requirement of API SN-RC, SM, SL, SJ, ILSAC GF-5, GF-4, GF-3, etc.

The unique Steel Shield ABF Technology of the oils provides outstanding performance and protection even in the most extreme conditions. This oil is recommended for use in the latest models of passenger cars, racing cars, vans and light duty trucks with gasoline and gasoline turbo-charged engines where API SN, SM, SL, SJ etc. oils are required. Vehicle manufacturers recommendations on engine oil viscosity and performance level should be followed.

ABF-Lite E3 Econ : API SN-RC, SM, SL, SJ, ILSAC GF-5, GF-4, GF-3 etc.

- Resource conserving ILSAC GF-5 with efficient cold engine start-up
- Outstanding deposit control, improve engine cleanliness with ABF technology
- Superior wear and corrosion protection, prolong battery and engine components life
- Excellent thermal and oxidation stability, extend oil drain interval
- Better protect vehicle emission system
- Fuel economy, energy saving
- Increase output power
- Reduce downtime

### TYPICAL CHARACTERISTICS

SAE Grade			0W20	0W30	5W30
Viscosity @ 40 °C	cSt	ASTM D445	45	56	61
Viscosity @ 100 °C	cSt	ASTM D445	8.6	10.3	10.5
Viscosity Index		ASTM D2270	173	175	162
Pour Point	°C	ASTM D97	-42	-42	-36
Flash Point COC	°C	ASTM D92	238	222	212
Resource Conserving			YES	YES	YES

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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