



ABF Motor Oils

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



ABF-F1 M13 Spider

SYNTHETIC OILS HIGH PERFORMANCE ENERGY CONSERVING FORMULA

Produce of Singapore

Updated 2018SJUN19

ABF-F1 M13 Spider is a high performance, full synthetic MULTIGRADE oil specially formulated with ABF Technology to meet the superior performance and fuel efficiency requirements of the latest engine designs requiring low viscosity oils for gasoline and light duty diesel engine applications. The unique Steel Shield ABF Technology provides an unsurpassed performance in POWER, SMOOTHNESS & RESPONSIVENESS. It provides extra protection to the engine under the most severe conditions on critical valve-train components, camshafts and hydraulic cam-followers in modern engines.

ABF-F1 M13 Spider is recommended for all high performance, high revving, turbo charged and supercharged multi-valve fuel injected engines including those of Dexos2.

API SN/SM/CF, A1/B1-10, A5/B5-10, A3/B4-04, A3/B3-08, C2-10/C3-10, BMW-LF-04, MB-229.51 Dexos2

Increased fuel economy

A low coefficient of friction

Significantly less bearing, ring, piston, cylinder and valve-train wear.

Increased engine durability

Increased engine life

Less down-time

Reduced maintenance costs

Increased output power by 7+% subject to current status of the engine.

TYPICAL CHARACTERISTICS

SAE Grade			5W30
Viscosity @ 40 °C	cSt	ASTM D445	68.71 typical
Viscosity @ 100 °C	cSt	ASTM D445	11.15 typical
Viscosity Index		ASTM D2270	155 typical
Pour Point	°C	ASTM D97	-36
Flash Point COC	°C	ASTM D92	≥212 typical
TBN	mgKOH/g	ASTM D2896	6.23 typical
Density @ 30°C	kg/l	ASTM D4052	0.866

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 / STEEL SHIELD TECHNOLOGIES (ASIA PACIFIC) LTD.
809B, 8/F., Block B, Goodview Industrial Bldg., 11 Kin Fat St., Tuen Mun, Hong Kong.
Tel:+852-25458029 Fax:+852-25458030
website:www.steelshieldtech.com.hk facebook:www.facebook.com/steelshieldtech