



# Steel Shield Advanced Racing Oils



ABF Technology redefined the terminology of lubrication  
A New Standard in Performance ♦ Protection ♦ Effectiveness



## Blackhawk 5W30

# M53

BORN ROAD WARRIOR

Made In Singapore

2022JAN21

M53 series BLACKHAWK is an Advanced full synthetic multigrade oil with the advantage of energy-conserving and performance. The unique Steel Shield ABF Ionic Levitation Technology together with the Military Grade base oils make it a jewel to the fuel efficiency requirements of the latest super engine designs requiring low viscosity oils for gasoline and light-duty diesel engine applications. Unsurpassed performance in Smoothness & Responsiveness making it good for both Leisure and Vigorous driving. It provides maximum protection to the engine in the most severe conditions on critical valve-train components, camshafts and hydraulic cam-followers in modern engines.

M53 series high-performance oil is recommended for high revving, turbocharged and supercharged multi-valve fuel injection engines.

API SN/CF, ACEA A3-16, BMW-LF-04, Porsche C30, MB-229.51, VW 50400/50700 TL 52195/52545

Increased fuel economy

Full dimensional protection TPP Free, Reduce Soot and Piston Clean

Increased engine durability and engine life

Reduced maintenance costs with less down-time

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

### TYPICAL CHARACTERISTICS

SAE Grade		5W30	
Color		ASTM D1500	L1.5
Viscosity @ 40 °C	cSt	ASTM D445	70.87 typical
Viscosity @ 100 °C	cSt	ASTM D445	11.61 typical
Viscosity Index		ASTM D2270	159 typical
Pour Point	°C	ASTM D97	-45
Flash Point COC	°C	ASTM D92	≥218 typical
TBN	mgKOH/g	ASTM D2896	7.08 typical
Density @ 30°C	kg/l	ASTM D4052	0.8545
SG @60/60°F	kg/l	ASTM D1298	0.8644
CCS @-30°C	cPs	ASTM D5293	5592 typical

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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