

# GLADIATOR DP 5W-40

**FULLY SYNTHETIC  
DOUBLE PROTECTION  
PETROL ENGINE OIL**

**BULWARK GLADIATOR DP** oils are multi-grade fully synthetic motor oils of the latest generation suitable for use in modern engines of passenger cars, light commercial trucks, sport cars and vans including turbocharged and supercharged engines. They provide best in class wear protection and all-round superior performance.

**BULWARK GLADIATOR DP 5W-40** oil is formulated using premium quality synthetic base oils and advanced high-performance additive packages. Recommended for use during all-season operations in gasoline engines of cars from European, American, Japanese and other Asian manufacturers, which require oils with API SN, ACEA A3/B4 performance levels and SAE 5W-40 viscosity.

## PERFORMANCE LEVEL

- API SN
- ACEA A3/B4
- MB 229.3, 229.5
- PORSCHE A40; VW 502.00/505.00;
- BMW LL-01
- RN 0700/0710
- PSA B71 2296

## KEY BENEFITS

- Excellent anti-oxidation & anti-corrosion properties provide protection to the engine against wear in severe operating conditions.
- Unique formulation minimizes oil consumption.
- Facilitates smoother engine operation at high loads and in “start-stop” mode.
- Easy cold start and excellent low-temperature properties, reduces engine start-up wear.
- Prevents the formation of high and low temperature deposits on the engine components.
- High BN reserve and retention allow use of high sulfur fuel.

## TYPICAL CHARACTERISTICS

Properties	Test Methods	5W-40
Density @ 29.5°C, Kg/m <sup>3</sup>	ASTM D4052	0.857
Kinematic Viscosity @ 100°C cSt	ASTM D7042	13.78
Viscosity Index	ASTM D2270	166
Cold Cranking Viscosity at -30°C, mPa-s	ASTM D5293	5060
Borderline Pumping Viscosity at -35°C, mPa-s	ASTM D4684	18,520
Sulphated Ash, %	ASTM D874	0.82
Flash Point, COC, °C	ASTM D92	242
Foam Stability	ASTM D892	
Seq I		0/0
Seq II		0/0
Seq III		0/0
Pour Point, °C	ASTM D97	-48
Total Base Number, mg KOH/g	ASTM D2896B	8.60

PS: The above information is typical data and an indication based on current production. It does not constitute a specification.

## STORAGE

All packages should be stored under cover. Where outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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Bulwark International UK Ltd, 34 Woodland Road, Sawston, CB22 3DU, United Kingdom. [info@bulwarkauto.co.uk](mailto:info@bulwarkauto.co.uk)