



## PANAMA 15W-50 SL/CF

### Semi Synthetic Engine Oil PCEO

#### PERFORMANCE LEVELS: Meets and Exceeds

ACEA A2/B2-02, MB229.1, BMW LL-98, VW 505.00

Black Bulls **PANAMA** Premium Engine oil (PCEO) contains 100% virgin base stock formulated with the multiple additives and blended using latest technology for gasoline, diesel, gas or duel fuel engines. PANAMA engine oil provides superior lubrication for both on- and off-road engines for commercial, personal or off-road application or as recommended by OEM.

Suitable for all gasoline, diesel, gas or duel fuel engines of passenger cars, light duty commercial vehicles, and off-road SUV's requiring API SL/CF with 15W-50 viscosity grade or as recommended by the OEM.

#### Typical properties:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES
SAE VISCOSITY GRADE			15W-50
APPEARANCE	NA	VISUAL	B&C
COLOR	NA	ASTM D-1500	2.5
DENSITY @29.5°C	g/mL	ASTM D-4052	0.8750
KINEMATIC VISCOSITY @100°C	cSt	ASTM D-445	17.5
KINEMATIC VISCOSITY @40°C	cSt	ASTM D-445	Report
VISCOSITY INDEX	NA	ASTM D-2270	136
CORRECTED FLASH POINT	°C	ASTM D-92	248
HOMOGENEITY/MISCIBILITY	NA	ASTM D-6922	Pass
ACCEPTABLE ODOR	NA	VISUAL	Agreeable
POUR POINT	°C	ASTM D-97	-27
TOTAL BASE NO. (TBN)	mg KOH/g	ASTM D-2896	9.5

#### Advantages:

- Advance technology have both mineral and synthetic base stock
- Environment friendly
- Exhibits easier cold weather starting
- Resists breakdown at high temperatures.
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Good compatibility with rubber to Protect rubber seals.
- Increases fuel economy due to ultra-low vaporization loss.
- Highly efficient in dispersancy and detergency keeps engine clean.

#### Applications:

- For gasoline, diesel, gas and duel fuel engines or as recommended by the OEM.
- Serves best for high-end German, Japanese, Korean cars and buses wherever a lubricant of this grade recommended by the OEM.
- Suitable for all engines requiring API SL series and 15W-50 viscosity.

