



## PANAMA 15W-40 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-40 viscosity grade or as recommended by the OEM.

#### Typical properties

| PROPERTY                   | UNIT     | TEST METHOD | TYPICAL VALUES |
|----------------------------|----------|-------------|----------------|
| SAE VISCOSITY GRADE        |          |             | 15W-40         |
| APPEARANCE                 | NA       | VISUAL      | B&C            |
| COLOR                      | NA       | ASTM D-1500 | 2              |
| DENSITY @29.5°C            | g/mL     | ASTM D-4052 | 0.8700         |
| KINEMATIC VISCOSITY @100°C | cSt      | ASTM D-445  | 14.5           |
| KINEMATIC VISCOSITY @40°C  | cSt      | ASTM D-445  | Report         |
| VISCOSITY INDEX            | NA       | ASTM D-2270 | 140            |
| CORRECTED FLASH POINT      | °C       | ASTM D-92   | 246            |
| 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 dual 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/40 viscosity.

