



AUTOMOTIVE CNG ENGINE OIL

BRAVOIL™

Technical Data Sheet

SWITCH PREMIUM MINERAL

PRODUCT DESCRIPTION:

SWITCH PREMIUM is a reliable engine lubricant specifically formulated to deliver enhanced engine protection, ensuring longer engine lifespan. It is specifically designed for gas-fueled engines in passenger cars and light commercial vehicles. Its unique additive system creates a protective layer on contact surfaces, effectively resisting wear in various operating conditions. Additionally, the high viscosity index provides added protection against wear during startup and in high-temperature conditions.

APPLICATIONS:

SWITCH PREMIUM is suitable for a wide range of applications, including gas-fueled (natural gas and LPG) spark ignition engines where conventional passenger car motor oils are recommended. It is also recommended for naturally aspirated and turbo-charged gasoline engines in passenger cars, light truck gasoline engines, and four-stroke gasoline engines in portable power equipment where API SM or lower performance oils are specified by the manufacturer.

FEATURES & BENEFITS:

- Special detergent and ashless dispersant additive system preserve power and performance by providing good control of piston and ring deposits, even under high temperature conditions.
- Good nitration resistance protects against CNG related valve deposits
- Very good thermal and oxidation stability
- Single oil for fleet owners with CNG, dual-fuel and gasoline vehicles

PERFORMANCE LEVELS: Meets or Exceeds:

- API SM
- Suitable for use also where API SL, SJ or SG oils are specified

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	SWITCH PREMIUM
Grade			20W50
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	TBR
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	19
Viscosity Index (min)	ASTM D2270	-	120
Density @15°C/ 60°F	ASTM D4052	g/cm ³	TBR
Flash Point (min)	ASTM D92	°C	220
Pour Point (max)	ASTM D97	°C	-24

DISCLAIMER:

The test data provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.bravoil.ae

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.bravoil.ae

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.