



ARCH 9000

FULLY SYNTHETIC

PRODUCT DESCRIPTION:

ARCH 9000 is a fully synthetic motor oil formulated with advanced additive technology to actively maintain engine cleanliness while delivering superior protection. Engineered for turbocharged, multi-valve, and direct-injection engines, it performs exceptionally well under demanding conditions such as highway driving and heavy urban traffic, in all seasons. ARCH 9000 ensures optimal engine performance and durability, even in the most challenging environments.

APPLICATION:

Recommended for naturally aspirated and turbo-charged gasoline engines in passenger cars and light commercial vehicles, four-stroke gasoline engines and portable power equipment.

FEATURES & BENEFITS:

- Superior wear and corrosion protection.
- Protects against start-up wear in cold conditions through excellent low-temperature fluidity.
- Maintains power and economy by minimizing wear.
- Superior viscosity retention.
- Oxidation resistant.
- Engine Cleanliness and low combustion residue.

API LICENSE:

- SAE 5W-30
- SAE 5W-40



PERFORMANCE LEVELS / MEETS OR EXCEEDS:

| SAE GRADES | 0W-30 | 0W-40 | 5W-20 | 5W-30 | 5W-40 |
|------------|--------------|--------------|-------|--------------|--------------|
| API | SL/CF | SL/CF | SL/CF | SL/CF | SL/CF |
| ACEA | A3/B3 | A3/B3 | A5/B5 | A3/B3 | A3/B3 |
| MB | - | 229.3, 226.5 | - | - | 229.3, 226.5 |
| RENAULT | RN0700 | RN 0700/0710 | - | RN0700 | RN 0700/0710 |
| VW | 501.01 / 505 | 501.01 / 505 | - | 501.01 / 505 | 501.01 / 505 |

TYPICAL PROPERTIES:

| PARAMETERS | ASTM | UNIT | ARCH 9000 | | | | |
|-------------------------------------|-------|----------|------------------|------------------|------------------|------------------|------------------|
| | | | 0W-30 | 0W-40 | 5W-20 | 5W-30 | 5W-40 |
| SAE Grades | | | | | | | |
| Kinematic Viscosity @ 104°F / 40°C | D445 | cSt | TBR | TBR | TBR | TBR | TBR |
| Kinematic Viscosity @ 212°F / 100°C | D445 | cSt | 10.2 | 14.9 | 8.8 | 10.1 | 15 |
| Viscosity Index (min) | D2270 | - | 160 | 170 | 150 | 160 | 160 |
| Density@15°C/ 60°F | D4052 | g/cm³ | TBR | TBR | TBR | TBR | TBR |
| Flash Point (min) | D92 | °C | 220 | 220 | 220 | 220 | 220 |
| Pour Point (max) | D97 | °C | -39 | -39 | -39 | -39 | -39 |
| TBN | D2896 | mg KOH/g | 8 | 8 | 8 | 8 | 8 |
| CCS | D5293 | m.Pa.S | <6200 (-35°C) | <6200 (-35°C) | <6600 (-30°C) | <6600 (-30°C) | <6600 (-30°C) |

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internol reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internol.net.

PROTECT THE ENVIRONMENT:

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