



**ARCH**

**FULLY SYNTHETIC**

**PRODUCT DESCRIPTION:**

ARCH is a premium synthetic multi-grade lubricant engineered to deliver superior performance and protection for gasoline engines in passenger cars, sport utility vehicles, vans, and light trucks. Meeting API SM quality standards, it provides advanced anti-wear protection and guards against sludge and deposit formation. ARCH is designed to enhance oxidation resistance, reduce deposits, minimize wear, and deliver excellent low-temperature performance throughout the oil's lifespan.

**APPLICATION:**

Recommended for gasoline fueled automobiles and light duty trucks requiring an API SM/CF.

**FEATURES & BENEFITS:**

- Designed to flow at low temperatures to get to vital engine parts quickly.
- Resists oxidation thickening to maintain proper flow under severe operating conditions.
- Provides excellent deposit and wear protection.
- Improved fuel economy.
- Excellent oxidation resistance.
- Optimal engine operating temperature, owing to thermal control formula.
- Provides safe operation of catalytic exhaust converters.
- Resistant to extreme thermal load.

**MEETS OR EXCEEDS:**

- API SM/CF
- ACEA A3/B3
- ACEA A1/B1 (0W-20, 5W-20)
- VW 501.01 / 505.00
- RN 700, RN 710
- MB 229.3

**TYPICAL PROPERTIES:**

PARAMETERS	ASTM	UNIT	ARCH				
			0W-20	0W-30	5W-20	5W-30	5W-40
Grade			0W-20	0W-30	5W-20	5W-30	5W-40
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	8.5	11.5	8.90	11.5	14.9
Viscosity Index (min)	D2270	-	150	160	150	160	160
Density@15°C/ 60°F	D4052	g/cm <sup>3</sup>	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. Internal 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.internal.net](http://www.internal.net).

**PROTECT THE ENVIRONMENT:**

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