



## ARCH MSP

### FULLY SYNTHETIC

#### PRODUCT DESCRIPTION:

ARCH MSP is a premium low-friction motor oil specifically engineered for high-performance downsized engines delivering maximum power output. Designed for extreme fuel economy and reduced CO<sub>2</sub> emissions, it ensures optimal lubrication, exceptional film stability, and minimal wear and deposits, even under extreme loads. Ideal for engines equipped with start/stop systems, ARCH MSP guarantees maximum performance and efficiency, coupled with low fuel consumption.

#### APPLICATION:

Recommended for gasoline and diesel vehicles. Specially developed for the requirements of BMW, GM, Mercedes-Benz, Opel and other manufacturers.

#### FEATURES & BENEFITS:

- Outstanding engine cleanliness.
- Excellent high and low temperature behavior.
- Excellent wear protection.
- High shear stability.
- Fully compatible with turbochargers and catalytic converters.
- Optimum oil pressure under all operating conditions.
- Optimum stability to aging.
- Long engine service life.

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	5W-30	0W-30	0W-20
API	SN PLUS/ SP	SN PLUS/ SP	SN PLUS/ SP
ACEA 2022	C2	C2	C5
BMW	-	LL-12FE	LL-17 FE+
MB	229.61	229.61	229.71
OPEL	OV 040 1547	OV 040 1547	OV 040 1547
GM	-	-	DEXOS D
LAND ROVER	-	-	STJLR.03.5006
VOLVO	-	-	VCC RBS0-2AE

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARCH MSP		
			5W-30	0W-30	0W-20
Grade			5W-30	0W-30	0W-20
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	TBR	TBR	TBR
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	53.4	52.8	41.2
Viscosity Index (min)	D2270	-	160	160	150
Density@15°C/ 60°F	D4052	g/cm <sup>3</sup>	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220
Pour Point (max)	D97	°C	-39	-39	-39
TBN	D2896	mg KOH/g	9	9	9
CCS	D5293	m.Pa.S	<6600 (-30°C)	<6600 (-35°C)	<6600 (-35°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](http://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.