



ARCH MS FULLY SYNTHETIC

PRODUCT DESCRIPTION:

ARCH MS oils are advanced fully synthetic engine oils engineered for superior engine protection. These oils comply with "Mid SAPS" specifications, featuring 0.08% phosphorus and 0.8% sulfated ash levels. They offer enhanced oxidation resistance, superior deposit and wear protection, improved fuel economy, and exceptional low-temperature performance, ensuring optimal engine efficiency and reliability throughout the oil's service life.

APPLICATION:

Suitable for gasoline and diesel fueled automobiles requiring ACEA C3 or ACEA C5 and API SN/CF class engine oils in select SAE viscosity grades.

FEATURES & BENEFITS:

- Outstanding wear protection under a wide variety of operating conditions.
- Special cleaning additive to help prevent the formation of sludge and harmful deposits.
- Optimal engine operating temperature, owing to thermal control formula.
- Limits formation of deposits on the most loaded engine parts.
- Provides safe operation of catalytic exhaust converters.
- Resistant to extreme thermal load, due to high quality of base oil.
- Enables fast and easy start in extreme temperature conditions.

OEM Approvals:

- MB 229.52 (SAE 5W-30)

API LICENSE:

- SAE 5W-30



PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	0W-20	0W-30	0W-40	5W-20	5W-30	5W-40
API	SN/CF	SN/CF	SN/CF	SN/CF-RC	SN/CF	SN/CF
ACEA-22	C5/C6	C2/C3	C3	C5/C6	C2/C3	C3
ILSAC	-	-	-	GF-5	-	-
JLR	51.5122	-	-	03.5004	-	-
MB	229.71	229.52/226.5	229.52/226.5	-	229.52/226.5	229.52/226.5
BMW	-	LL-04	LL-04	-	LL-04	LL-04
Renault	-	RN0700/0710	RN0700/0710	-	RN0700/0710	RN0700/0710
GM	-	Dexos 2	Dexos 2	-	Dexos 2	Dexos 2
Porsche	-	-	C40	-	-	C40
Volvo	VCC RBS0-2AE	-	-	-	-	-
Ford	-	-	-	948A/948B	-	917A
VW	-	505 00/505 01	505 00/505 01	-	505 00/505 01	505 00/505 01

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARCH MS						
			0W-20	0W-30	0W-40	5W-20	5W-30	5W-40	5W-40
SAE Grades									
Kinematic Viscosity @ 104°F /40°C	D445	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D445	cSt	8.7	11.8	14.9	8.9	11.6	15	
Viscosity Index (min)	D2270	-	150	160	170	150	160	160	
Density@15°C /60°F	D4052	g/cm³	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220	
Pour Point (max)	D97	°C	-39	-39	-39	-39	-39	-39	
TBN	D2896	mg KOH/g	8	8	8	8	8	8	
CCS, (°C)	D5293	m.Pa.S	<6200 (-35°C)	<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.