



## ARCH EC PLUS

### FULLY SYNTHETIC

#### PRODUCT DESCRIPTION:

ARCH EC Plus oils are fully synthetic MiD-SAPS passenger car motor oils (PCMO) that meet API and ACEA specifications. These oils are specifically designed to deliver advanced protection against low-speed pre-ignition (LSPI) and timing chain wear. They also provide enhanced high-temperature deposit protection for pistons and turbochargers while ensuring superior control of sludge and varnish, meeting the demands of modern engine technologies.

#### APPLICATION:

ARCH EC Plus oils are suitable for a wide range of engines including light duty vehicles fitted with after-treatment systems, Diesel Particle Filter (DPF), Gasoline Catalytic Converter systems (GCC) or Three-Way Catalytic Converter (TWC) where API SP and ACEA C2, ACEA C3 or C5 specification are prescribed.

#### FEATURES & BENEFITS:

- Thin viscosity grades show excellent low temperature flow when cold starting.
- Viscosity stability at high temperatures, delivering reduced wear and tear on the engine components
- Deliver instant protection under hot or cold conditions.
- Provide protection against low-speed pre-ignition (LSPI)

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

Grade	0W-20	0W-30	0W-40	5W-20	5W-30	5W-40
API	SP	SP	SP	SP	SP	SP
ACEA - 21	C5	C2/C3	C3	C5	C2/C3	C3
MB	-	229.31	229.31	-	229.31	229.31

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARCH EC PLUS					
			0W-20	0W-30	0W-40	5W-20	5W-30	5W-40
Grade								
Kinematic Viscosity @100C	D445	cSt	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @40C	D445	cSt	43.6	66.5	84.5	48.3	68.1	84.5
Viscosity Index (min)	D2270	-	150	160	170	150	160	160
Pour Point	D97	°C	-39	-39	-39	-39	-39	-39
Density at 15°C	D4052	g/ml	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220
TBN	D2896	mg KOH/g	8	8	8	8	8	8
CCS	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](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.