



ARCH SPARK

PRODUCT DESCRIPTION:

ARCH SPARK engine oils are advanced passenger car motor oils specifically designed for modern, high-output turbocharged gasoline engines in passenger cars, SUVs, vans, and light-duty trucks. Engineered for exceptional engine protection, these premium oils feature ultra-pure base oils and a cutting-edge additive system. They deliver improved oxidation resistance, enhanced deposit and wear protection, excellent low-temperature performance, and better fuel economy, ensuring optimal engine performance and longevity.

APPLICATION:

Recommended to be used in North American, European & Japanese high output gasoline engines in passenger cars, sport utility vehicles, vans, and light-duty trucks where API SP, SN Plus, ILSAC GF-6A and / or API SN, API SM, API SL quality oils are specified, passenger cars and light-duty vehicles running on gasoline and ethanol-containing fuels up to E85, suitable for modern turbo- charged direct injection gasoline engines where LSPI protection is required. ILSAC GF-6B is not backwards compatible with older engines.

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 convertors
- Resistant to extreme thermal load, due to high quality of base oil
- Enables fast and easy start in extreme temperature conditions
- Extra cleaning performance

PERFORMANCE MEET OR EXCEEDS:

SAE GRADES	OW-16	OW-20	OW-30	OW-40	5W-20	5W-30	5W-40
API	SP (RC)/ SN PLUS (RC)	SP (RC)/ SN PLUS (RC)	SP	SP	SP (RC)/ SN PLUS (RC)	SP (RC)/ SN PLUS (RC)	SP
ILSAC	GF-6B	GF-6A	-	-	GF-6A	GF-6A	-
GM	-	DEXOS1 GEN2	-	-	DEXOS1 GEN2	DEXOS1 GEN2	-
CHRYSLER	-	MS6395	-	-	MS6395	MS6395	-
FORD	-	WSS-MC2-947A	-	-	WSS-MC2-945A	WSS-MC2-946A	-

SAE GRADES	10W-30	10W-40	15W-40	20W-50
API	SP (RC)/ SN PLUS (RC)	SP	SP	SP
ILSAC	GF-6A	-	-	-
GM	-	-	-	-
CHRYSLER	MS6395	-	-	-
FORD	-	-	-	-



TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARCH SPARK						
			OW-16	OW-20	OW-30	OW-40	5W-20	5W-30	5W-40
KV@104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR
KV@212°F /100°C	D7042	cSt	7.1	8.3	11.8	14.9	8.3	10.3	14.8
Viscosity Index (min)	D2270	-	150	150	160	170	150	160	160
Density@15°C	D4052	g/cm ³	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220	220
Pour Point (max)	D97	°C	-39	-39	-39	-39	-39	-39	-39
TBN	D2896	mg KOH/g	7	7	7	7	7	7	7
CCS	D5293	m.Pa.S	<6200 (-35°C)	<6200 (-35°C)	<6200 (-35°C)	<6200 (-35°C)	<6600 (-30°C)	<6600 (-30°C)	<6600 (-30°C)

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	ARCH SPARK			
			10W-30	10W-40	15W-40	20W-50
KV@104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR
KV@212°F /100°C	D7042	cSt	10.3	15	14.9	19.5
Viscosity Index (min)	D2270	-	145	145	135	120
Density@15°C	D4052	g/cm ³	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220
Pour Point (max)	D97	°C	-36	-36	-33	-24
TBN	D2896	mg KOH/g	7	7	7	7
CCS	D5293	m.Pa.S	<7000 (-25°C)	<7000 (-25°C)	<7000 (-20°C)	<9500 (-15°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.

PROTECT THE ENVIRONMENT:

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