



PASSENGER CAR MOTOR OIL

MOTOX SQ 10W-40

Full Synthetic Gasoline Engine Oil

SAE VISCOSITY

10W-40

PERFORMANCE LEVEL

API SQ

PRODUCT TYPE

Full Synthetic

PRODUCT PROFILE

Premium full synthetic gasoline engine oil developed for modern passenger car applications requiring SAE 10W-40 viscosity and API SQ performance.

APPLICATION GUIDANCE

Use where the vehicle manufacturer recommends SAE 10W-40 and API SQ. Always follow the owner's manual for viscosity grade and service interval.

TYPICAL PROPERTIES

ASTM cross-reference / source test method

PROPERTY	UNIT	TYPICAL	METHOD REFERENCE
Kinematic viscosity @ 100°C	mm²/s	14.61	D445 / GB/T 265
Viscosity index	-	159	D2270 / GB/T 1995
Flash point, Cleveland open cup	°C	243	D92 / GB/T 3536
Pour point	°C	-42	D97 / GB/T 3535
CCS apparent viscosity @ -25°C	mPa·s	5,241	D5293 / GB/T 6538
HTHS viscosity @ 150°C	mPa·s	3.95	D5481 / SH/T 0703
Mechanical impurities	mass %	0.001	GB/T 511
Water	mass %	None detected	D95 / GB/T 260
Noack evaporation loss, 250°C / 1 h	mass %	4.90	D5800 / SH/T 0059
Foam Seq. I, 24°C	mL/mL	0/0	D892 / GB/T 12579
Foam Seq. II, 93.5°C	mL/mL	5/0	D892 / GB/T 12579
Foam Seq. III, 24°C after 93.5°C	mL/mL	0/0	D892 / GB/T 12579
Phosphorus	mass %	0.0772	SH/T 0296
Total base number	mg KOH/g	7.14	D2896 / SH/T 0251
Sulfated ash	mass %	0.76	D874 / GB/T 2433

TECHNICAL NOTE

Typical values are based on existing test results and are provided for product description and technical reference only. They are not manufacturing specifications; actual results may vary within normal production tolerances. ASTM references are included for international comparison. Source values were reported using the listed GB/T or SH/T methods.