

AISIN

econTECH+

Motor Oil

econTECH+ is formulated from VHVI base oils, high performance additive systems and leading-edge viscosity index improver, which meet the requirement of advanced top-tier engine oil grade of API SQ. It is optimized to provide complete engine oil performance, especially enhanced durability and fuel efficiency improvement, through wear protection and friction reduction. In addition, it also includes timing chain wear protection, LSPI prevention performances and exhaust after-treatment system protection.

10W-40 / 20W-50 - API-SQ

5W-30 / 10W-30 - API SQ-RC, ILSAC GF-7A

Features & Benefits

Enhanced Fuel Economy

The wide temperature range capability of VHVI and HVI base oils ensures correct oil viscosity which reduces friction at start-up and provides maximum lubrication under high temperature operating condition.

Wear Resistance under Wide Temperature Condition

Advanced non-conventional base oil formula coupled with high performance additive systems and leading-edge viscosity index improver delivers excellent shear stability and maximum wear protection under high speed, and high temperature driving conditions as well as a rapid, highly effective oil film generation. It also minimizes wear of key engine components during engine start under very low temperature

Superior Low Temperature Performance

Superior low temperature properties with proven metal-organic anti-wear additives provide easy start-up of engines at extremely low temperature and excellent wear control in even the most sophisticated valve train mechanisms, including those with variable valve timing.

Typical Properties

SAE Viscosity Grade	Density	Kinematic Viscosity		Viscosity Index	Flash Point	Pour Point	HTHS	CCS	Base Oil
	kg/L @15°C	mm ² /s @40°C	mm ² /s @100°C		°C	°C	mPa s @150°C	cP	
5W-30	0.851	62.5	10.5	158	238	-39	3.2	5,600 @-30°C	Semi-Synthetic
10W-30	0.862	72.0	11.2	148	242	-41	3.2	4,100 @-25°C	
10W-40	0.862	100.4	15.0	156	240	-42	4.1	4,900 @-25°C	
20W-50	0.875	169.9	19.0	127	268	-25	5.0	7,600 @-15°C	

*The above data may differ slightly from the actual value of the product within the range where there is no abnormality in product performance.



Extended Oil Drainage Interval

Excellent oxidation resistance and low volatility will extend oil drainage interval.

LSPI Prevention

Advanced additives technology efficiently suppresses LSPI phenomena that occasionally occur in combustion chambers of T-GDI engines.

Timing Chain Wear Protection

High-quality additives effectively protect timing chain against wear that may cause engine power loss and more fuel consumption.

Emission Control System Protection

Protect GPF (Gasoline Particulate Filter) from clogging with specially designed low ash additive system.

Application

- All gasoline fueled vehicles
- High performance cars equipped with T-GDI, GDI, GPF, DOHC, EFI and VVT
- Four-stroke gasoline engines in motorcycles (except for motorcycles with wet clutch gearbox)
- Sports vehicles

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