

Fully Synthetic

Kixx G1

High grade gasoline engine oil providing excellent protection
API SN-RC/CF, ILSAC GF-5



DESCRIPTION

Kixx G1 is formulated from Synthetic Technology base oil, high performance additive systems and leading edge viscosity index improver, which meet the requirement of current advanced top-tier engine oil grade of API SN and ILSAC GF-5. It is optimized to provide complete engine oil performance, especially fuel efficiency, through reduced friction loss and enhanced durability.

APPLICATIONS

- Naturally aspirated and turbocharged gasoline engines in passenger cars including SUV
- Gas-fuelled (natural gas and LPG) spark ignition engines where conventional passenger car motor oils are recommended
- Four-stroke gasoline engines in motorcycles and portable power equipment where the manufacturer recommends conventional passenger car motor oils

PERFORMANCE STANDARDS

- 0W-20 / 0W-30 : API SN-RC/CF, ILSAC GF-5

CUSTOMER BENEFITS

Superior Cold Performance

Superior low temperature properties with proven metal-organic anti-wear additives provide easy start-up of engine at extremely low temperature and excellent wear control in even the most so-

phisticated valve train mechanisms, including those with variable valve timing.

Fuel Efficiency

Specifically tailored viscosity characteristics and effective friction modifier minimize internal engine frictional losses, which reduces oil fuel consumption.

Saves on maintenance costs

High thermal stability and excellent oxidation resistance provides outstanding protection against in-service oil degradation that contributes to filter blocking and sludge formation in the oil galleries, crankcase and valve train.

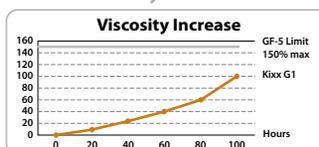
KEY PROPERTIES

SAE Viscosity	0W-20	0W-30
Density, kg/L @15°C	0.847	0.848
Kinematic Viscosity, mm ² /s @ 40°C	43.5	61.9
Kinematic Viscosity, mm ² /s @ 100°C	8.3	11.3
Viscosity Index	169	179
Pour Point, °C	-45	-45
Flash Point, °C	238	240
Package (Liters)	1, 4T, 18, 200	1, 4T, 200

UNIQUE FEATURES

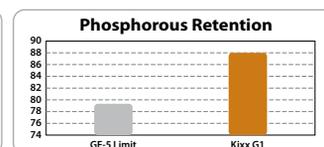
Manufactured with 100% synthetic VHVI base oil formulated with premium additives meeting the requirements of API SN grade specification. It provides excellent cold temperature performance and fuel efficiency due to its enhanced anti-oxidation, cleanliness and catalyst protection properties.

Oxidation Stability



Viscosity increase on hours is much lower than specification limit, which means excellent anti-oxidation stability and extended oil drain interval.

Protection of SCR



Higher phosphorous retention in engine protects selective catalyst reduction system for emission gas control.

Fully / Semi Synthetic



Kixx G1

High grade gasoline engine oil providing excellent protection

- 5W-20 / 5W-30 / 10W-30 : API SN-RC/CF, ILSAC GF-5
- 5W-40 / 5W-50 / 10W-40 / 20W-50 : API SN/CF

DESCRIPTION

Kixx G1 is formulated from Synthetic Technology base oil, high performance additive systems and leading edge viscosity index improver, which meet the requirement of current advanced top-tier engine oil grade of API SN and ILSAC GF-5. It is optimized to provide complete engine oil performance, especially fuel efficiency, through reduced friction loss and enhanced durability.

APPLICATIONS

- All gasoline fueled vehicles
- High performance cars equipped with DOHC, EFI and VVT
- Four-stroke gasoline engines in motorcycles
- Sports Vehicles

PERFORMANCE STANDARDS

- 5W-20 / 5W-30 / 10W-30 : API SN-RC/CF, ILSAC GF-5
- 5W-40 / 5W-50 / 10W-40 / 20W-50 : API SN/CF

CUSTOMER BENEFITS

Enhanced Fuel Economy

The wide temperature range capability of the synthetic technology base fluid ensures correct oil viscosity which reduces friction at start-up, and provides maximum lubrication during high temperature operation.

Improved Engine Power and Maintainability

A reduction in the piston blow-by gas coupled with the oil's anti-sludge characteristics help maintain engine power and cleanliness, which in turn extends the engine's service life.

Extended Oil Drainage Interval

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

All-temperature Wear Resistance

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 in high speed, high temperature driving conditions as well as a rapid, highly effective oil film protection. It also provides component wear resistance during very low temperature cold starts.

KEY PROPERTIES

	Fully Synthetic	Fully Synthetic	Fully Synthetic	Fully Synthetic	Semi Synthetic	Semi Synthetic	Semi Synthetic
SAE Viscosity	5W-20	5W-30	5W-40	5W-50	10W-30	10W-40	20W-50
Density, kg/L @15°C	0.849	0.851	0.849	0.850	0.860	0.861	0.874
Kinematic Viscosity, mm ² /s @ 40°C	42.6	60.3	83.9	118.3	64.2	104.8	163.1
Kinematic Viscosity, mm ² /s @ 100°C	7.5	10.1	14.4	19.2	10.2	15.7	18.8
Viscosity Index	145	154	178	183	145	159	127
Pour Point, °C	-42	-39	-42	-42	-42	-42	-39
Flash Point, COC, °C	232	220	222	224	234	220	260
Package (Liters)	4, 200	1,3,4,4T,5,18,200	1,3,4,4T,5,200	1,4T,200	1,4,4T,18,200	1,3,4,4T,5,200	1,3,4,5,200

* Kixx G1 20W-50 is also applicable to CNG/LPG engines

Kixx G1 – Field Test

	Oil Sump Sludge	Bearing Wear	Piston Deposit
Kixx G1			
API SM			