

Semi Synthetic

Kixx HD CH-4

Diesel engine oil for heavy duty vehicles,
the perfect fit for smart consumers

API CH-4/SJ, ACEA E7-16



DESCRIPTION

Kixx HD CH-4 is a premium performance, multigrade, heavy-duty diesel engine oil specifically designed to lubricate a wide range of diesel and gasoline engines requiring API CH-4, SJ, ACEA E7 performance lubricants operating under the most severe service conditions.

APPLICATIONS

- Mixed fleets of European, North American diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Mixed fleets of both diesel and gasoline engines
- Mixed fleets including both old and new equipment
- Commercial road transport, including the latest electronic controlled engines.
- It meets the major diesel engine manufacturers requirements
- Stop-and-go vehicles in high soot loading service such as buses and waste collection trucks
- Off-highway vehicles and plant

PERFORMANCE STANDARDS

- API CH-4/SJ, ACEA E7-16
- MB 228.3, MAN 3275, MTU 2.0, Mack EO-M Plus, CES 20077, Cat ECF-1a Recommended

CUSTOMER BENEFITS

Minimizes fleet maintenance costs

Exceptional soot dispersion keeps fuel soot in suspension, avoiding filter plugging, cylinder head sludge, abrasive polishing wear and oil thickening.

Minimizes fleet operating costs

Excellent deposit control on valves and piston crownlands reduces oil consumption. Exceptional oxidation stability and soot control extends oil drain capability so that equipment is in service longer generating revenue. Outstanding valve train wear protection maintains fuel economy.

Extends engine life to overhaul

High level of anti-wear additive protects against valve train wear and scuffing of highly loaded parts operating under boundary lubrication conditions.

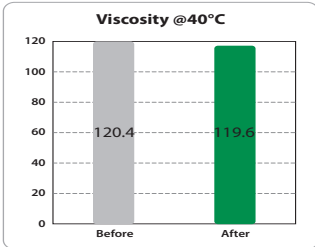
KEY PROPERTIES

SAE Grade	10W-30	10W-40	15W-40	20W-50
Density, kg/L @ 15°C	0.8667	0.8670	0.8689	0.8769
Kinematic Viscosity, mm ² /s @ 40°C	80.14	102.5	108.8	179.4
Kinematic Viscosity, mm ² /s @ 100°C	11.99	15.13	14.86	20.04
Viscosity Index	144	155	142	130
Pour Point °C	-42	-42	-36	-33
Flash Point °C	231	228	236	246
Base Number,mg KOH/g	10.0	10.0	10.0	10.0
Package (Liters)	4, 18, 200	20, 200	4,5,18,20,25,200	4,18,20,200

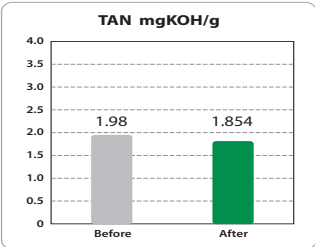
UNIQUE FEATURES

- Kixx HD CH-4 prolongs engine life and extends oil drain intervals
- Exceptional oxidation stability and soot control extends oil drain capability so that equipment can be in service with longer generating revenue

ISOT (165.5°C, 24Hr)



Oxidation stability test, ISOT, shows the viscosity of before test and after are almost the same .



Total acid number is almost the same. It means that the oil is strong against to oxidation.