

Fully Synthetic

# K1 Lube HD CH-4

Premium diesel engine oil for heavy duty vehicles,  
Providing Ultimate performance

API CH-4/SJ, ACEA E5



## DESCRIPTION

K1 Lube 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 E5 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, CI-4/SL, VOLVO VDS-3, Mack EO-N, Renault VI RLD-2, Cummins CES 20078, ACEA E7, MB 228.3, MAN 3275, Cummins CES 20076/77, CAT ECF-2/ECF-1-A, Global DHD-1

## 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	15W-40	20W-40	20W-50
Kinematic Viscosity, mm <sup>2</sup> /s @ 40°C	82.9	117.7	131.3	178.8
Kinematic Viscosity, mm <sup>2</sup> /s @ 100°C	12.5	15.8	15	20.3
Viscosity Index	147	142	116	133
Pour Point °C	-38	-40	-35	-33
Flash Point °C	222	226	244	232
Package (Liters)	4, 18, 200	20, 200	4,5,18,20,25,200	4,18,20,200