Fully Synthetic

# K1 Lube HD CH-4

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

API CH-4/SJ, CI-4/SL, ACEA E7




## DESCRIPTION

K1 Lube HD CH-4 is a premium performance, multigrade, highly intensive heavy duty diesel engine oil specifically formulated to lubricate a wide range of heavy-duty diesel engines requiring API CH-4, ACEA E7 performance operating in the severe environment.

## 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 technology on valves and piston heads reduces oil consumption. Exceptional oxidation stability and soot-control extends oil drain interval and makes the components of the engine use longer.

### Extends Engine Life to Overhaul

High level of anti-wear additive protects engine against wear, scratch, 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, $mm^2/s$ @ 40°C | 82.9 | 117.7 | 131.3 | 178.8 |
| Kinematic Viscosity, $mm^2/s$ @ 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) | 200 | 6, 200 | 200 | 6, 200 |