

Semi Synthetic

# K1 Lube HD CF

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

API CF



## DESCRIPTION

K1 Lube HD CF is a high performance, multigrade diesel engine oil specially designed to lubricate a wide range of diesel and gasoline engines requiring API CF performance lubricants.

## APPLICATIONS

- Mixed fleets of diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Mixed fleets of both diesel and gasoline engines
- Commercial road transport
- Off-highway vehicles and plant
- Small diesel engines in marine service (e.g. fishing, river transport, etc)
- Generator sets

## PERFORMANCE STANDARDS

- API CF

## CUSTOMER BENEFITS

### Maximum power output

Advanced detergent/dispersant additive system maintains power output by providing outstanding deposit control under the high temperature conditions encountered in turbocharged engines.

### Reduced maintenance costs

Highly effective detergent additive system minimizes piston crown land deposits which can lead to damaging bore polishing. The proven metallo-organic anti-wear additive system reduces wear in severe service by forming a protective layer on all metal contact surfaces.

### Saves on inventory costs

The mid-ash, medium dispersion formulation provides very good overall performance in mixed fleets of different engine designs, allowing fewer oils to be stored and reducing the chance of problems arising through product misapplication.

## KEY PROPERTIES

SAE Grade	20W-50	40	50
Density, kg/L @15°C	0.8771	0.8801	0.8719
Viscosity, mm <sup>2</sup> /s @ 40°C	173.6	137.5	168.6
Viscosity, mm <sup>2</sup> /s @ 100°C	19.65	14.96	19.74
Viscosity Index	130	110	135
Pour Point °C	-30	-33	-36
Flash Point °C	250	250	272
Base Number, mg KOH/g	9.74	9.02	9.7
Package (Liters)	18, 25, 200	4, 6, 200	4, 6, 200