

Shield TurboTec

PREMIUM PERFORMANCE DIESEL ENGINE OIL

API CF-4/SJ



DESCRIPTION

Shield TurboTec CF-4 is high performance, multigrade diesel engine oil specially designed to lubricate a wide range of diesel and gasoline engines requiring API CF-4 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
- Powershift transmissions
(where oil type and viscosity are appropriate)

PERFORMANCE STANDARDS

- 5W-30, 10W-30, 15W-40, 15W-50 :
API CF-4/SJ, Allison C-4, CAT TO-2
- 20W-50 : API CF-4/SJ, CAT TO-2

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 damaged bore polishing. The proven metallo-organic anti-wear additive system reduces wear in engines under severe service by forming a protective layer on all metal contact surfaces.

Saves on inventory costs

The mid-ash, medium dispersant 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.

TYPICAL SPECIFICATION

SAE Grade	5W-30	10W-30	15W-40	15W-50	20W-50
Density @15°C	0.856	0.87	0.874	0.869	0.867
Kinematic Viscosity, mm ² /s @ 40°C	59.07	64.42	113	140.7	173.5
Kinematic Viscosity, mm ² /s @ 100°C	10.06	9.75	14.9	18.51	19.63
Viscosity Index	158	134	136	148	130
Pour Point °C	-42	-33	-36	-42	-36
Flash Point °C	226	220	252	234	260
Base Number, mg KOH/g	10.2	9.9	10	8.2	8.1
Package (Liters)			200, 20, 5, 4, 1		