



THE ENGINE'S CHOICE

Duckhams Fleetmaster 15W-40 CF-4/SG

PRODUCT DESCRIPTION

FLEETMASTER is an advanced SAE 15W-40 multi-grade engine oil with “low ash” characteristics, formulated to exceed the most severe engine performance requirements and engine manufacturer’s specifications. The careful selection of additives provides the advantages of excellent viscosity stability and resistance to easier winter starting. FLEETMASTER contains special low ash detergent and dispersant additives which keep the pistons, rings, oilways and crankcase free from harmful combustion deposits. The product is specially formulated to have superior high temperature oxidation resistance combined with good alkalinity reserve and retention properties which ensure neutralization of any acids in the engine caused by combustion blow-by, high temperature oxidation or sludge formed during cold running. Scuffing and undue wear of rings, bores and valve train components is prevented by the use of superior anti-wear additives which provide extra heavy-duty performance. Additives are also included to impart excellent protection against rust and corrosion.

FEATURE & BENEFITS

- Trusted protection for any car
- Highly dependable, year-round protection
- Long operational life
- Excellent engine cleanliness and low combustion residues
- Promotes maximum engine performance
- Superior viscosity retention

PERFORMANCE

- API CF-4/SG

TYPICAL TEST

DESCRIPTION	UNIT	TEST INSTRUMENT	SPECIFICATION	TYPICAL VALUE	COA
Appearance	-	Visual	Green	Green	X
Density@15°C	g/cm ³	ASTM D4052	Report	0.8841	X
Density@30°C	g/cm ³	ASTM D4052	Report	0.8746	X
Kinematic Viscosity @40°C	mm ² /s	ASTM D445	Report	106.7	
Kinematic Viscosity @100°C	mm ² /s	ASTM D445	14.00 – 15.50	14.49	X
Viscosity Index	-	ASTM D2270	Report	140	
ASTM Colour	-	ASTM D1500/D6045	Report	L3.5	
Flash Point by COC, °C	deg °C	ASTM D92	Report	238	
Pour Point	deg °C	ASTM D5950/D6892/6749	Report	-9	
Total Base Number	mgKOH/g	ASTM D2896	Report	7.12	
Ca Content	%wt	ASTM D6481/D4951	0.2150 – 0.2780	0.246	X
Zn Content	%wt	ASTM D6481/D4951	0.0700 – 0.1120	0.098	X
P Content	%wt	ASTM D6481/D4951	0.0700 – 0.1030	0.085	X
Cold Cranking Simulator @-20°C	mPas	ASTM D5293	7,000 Max	6260	X
Foaming: Seq.I @24°C, Tendency	Millilitre	ASTM D892	Report	0	
Foaming: Seq.I @24°C, Stability	Millilitre	ASTM D892	Report	0	
Foaming: Seq.II @93.5°C, Tendency	Millilitre	ASTM D892	50 Max	20	X
Foaming: Seq.II @93.5°C, Stability	Millilitre	ASTM D892	0 Max	0	X
Foaming: Seq.III @24 after 93.5°C, Tendency	Millilitre	ASTM D892	Report	0	
Foaming: Seq.III @24 after 93.5°C, Stability	Millilitre	ASTM D892	Report	0	

These descriptions are typical of current production. Whilst future production will conform to DUCKHAMS'S specification, variations in their description may occur.