

## Duckhams HYPER-K 10W-30 SN/CF

### PRODUCT DESCRIPTION

DUCKHAMS HYPER-K is a low viscosity high quality mineral oil based multigrade engine oil designed to protect modern gasoline and diesel engines from wear and corrosion. Low viscosity oil increases engine efficiency and reduces vehicle emissions, meeting current emissions standards, whilst still ensuring high temperature protection. Updated additive technology reduces the formation of deposit, sludge and varnish, maintaining engine cleanliness and performance. High quality base oils reduce oxidation and oil thickening, reducing oil consumption and extending the operating life of the lubricant.

### FEATURE & BENEFITS

- Blended for modern vehicles
- Keeps engine clean and protected from sludge
- Improves engine efficiency
- Protects engine from wear and corrosion
- Reduces build-up of high temperature deposits.
- Reduces exhaust emissions

### PERFORMANCE

- API SN, SM/CF
- ILSAC GF-5

### TYPICAL TEST

DESCRIPTION	UNIT	TEST INSTRUMENT	SPECIFICATION	TYPICAL VALUE	COA
Appearance	-	Visual	Bright & Clear	Bright & Clear	X
Density@15°C	g/cm <sup>3</sup>	ASTM D4052	Report	0.8679	X
Density@30°C	g/cm <sup>3</sup>	ASTM D4052	Report	0.8585	X
Kinematic Viscosity @40°C	mm <sup>2</sup> /s	ASTM D445	Report	74.38	
Kinematic Viscosity @100°C	mm <sup>2</sup> /s	ASTM D445	10.00-12.00	11.08	X
Viscosity Index	-	ASTM D2270	Report	139	
ASTM Colour	-	ASTM D1500/D6045	Report	L2.5	X
Flash Point by COC, °C	deg °c	ASTM D92	215 Min	234	X
Pour Point	deg °C	ASTM D5950/D6892/D6749	Report	-36	X
Total Base Number	mgKOH/g	ASTM D2896	6.00-8.40	7.4	
Ca Content	%wt	ASTM D6481/D4951	0.1760-0.2060	0.186	X
Zn Content	%wt	ASTM D6481/D4951	0.0690-0.0810	0.0756	X
P Content	%wt	ASTM D6481/D4951	0.0610-0.0710	0.0637	X
B Content	%wt	ASTM D4951	0.0070-0.0110	0.00933	X
Mo Content	%wt	ASTM D4951	0.0120-0.0170	0.0147	X
Cold Cranking Simulator @-25°C	mPas	ASTM D5293	7500 Max	6014	X
Foaming: Seq.I @24°C, Tendency	Millilitre	ASTM D892	10 Max	0	X
Foaming: Seq.I @24°C, Stability	Millilitre	ASTM D892	0	0	X
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	0	X
Foaming: Seq.III @24 after 93.5°C, Tendency	Millilitre	ASTM D892	10 Max	0	X
Foaming: Seq.III @24 after 93.5°C, Stability	Millilitre	ASTM D892	0 Max	0	X

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