

Duckhams Diesel Gard 15W-40 CI-4/SL

PRODUCT DESCRIPTION

DUCKHAMS DIESEL GARD is a premium quality engine oil and has been developed for high speed, heavy duty and continuous driving with excellent engine protection and cleaning power. DUCKHAMS DIESEL GARD offers improved advantages for fleet customers through extended oil- drain intervals resulting in oil and fuel economy and cost saving maintenance.

DUCKHAMS DIESEL GARD is recommended for use in gasoline and diesel engine operating in moderate and severe service applications. This included engines on high- way, off –road, turbo diesel engine, construction farm woodlands, marine and stationary power plants. DUCKHAMS DIESEL GARD is manufactured from high quality base stocks and selected additives.

FEATURE & BENEFITS

- The high levels of detergency and dispersancy ensure engine cleanliness.
- Highly dependable, year-round protection
- Long operational life
- Low combustion residues
- Promotes maximum engine performance
- Superior viscosity retention

PERFORMANCE

- API CI-4, CH-4/SL, SJ
- Mack EO-N
- ACEA E7-08
- MB 228.3
- MTU Type 2
- MAN M3275-1
- Renault RLD-2
- Volvo VDS-3
- Cummins CES 20076/77/78
- Global DHD-1
- JASO DH-1
- Caterpillar ECF-1a



THE ENGINE'S CHOICE

TYPICAL TEST

DESCRIPTION	UNIT	TEST INSTRUMENT	SPECIFICATION	TYPICAL VALUE	COA
Appearance	-	Visual	Green	Green	X
Density@15°C	g/cm ³	ASTM D4052	Report	0.8776	X
Density@30°C	g/cm ³	ASTM D4052	Report	0.8682	X
Kinematic Viscosity @40°C	mm ² /s	ASTM D445	Report	111.4	
Kinematic Viscosity @100°C	mm ² /s	ASTM D445	14.00 – 15.50	14.54	X
Viscosity Index	-	ASTM D2270	Report	134	X
ASTM Colour	-	ASTM D1500/D6045	C01	L3.5	
Flash Point by COC, °C	deg °c	ASTM D92	Report	228	
Pour Point	deg °C	ASTM D5950/D6892/6749	Report	-39	
Total Base Number	mgKOH/g	ASTM D2896	Report	10.91	
Ca Content	%wt	ASTM D6481/D4951	0.3380 – 0.3970	0.3744	X
Zn Content	%wt	ASTM D6481/D4951	0.1090 – 0.1334	0.1231	X
P Content	%wt	ASTM D6481/D4951	0.1020 – 0.1210	0.1082	X
Cold Cranking Simulator @-20°C	mPas	ASTM D5293	7,000 Max	5970	X
Foaming: Seq.I @24°C, Tendency	Millilitre	ASTM D892	10 Max	0	
Foaming: Seq.I @24°C, Stability	Millilitre	ASTM D892	0 Max	0	
Foaming: Seq.II @93.5°C, Tendency	Millilitre	ASTM D892	20 Max	10	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	10 Max	0	
Foaming: Seq.III @24 after 93.5°C, Stability	Millilitre	ASTM D892	0 Max	0	
B Content	%wt	ASTM D4951	0.0363 – 0.0492	0.0439	
Mo Content	%wt	ASTM D4951	0.0038 – 0.0053	0.0047	

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