

CRUISER HDA

Diesel engine oil

Description

CRUISER HDA is a high quality heavy duty lubricant for use in turbocharged diesel engines. The lubricant is specially formulated for high speed diesel engines commonly used in heavy equipment, transportation fleets and stationery machinery.

Applications

CRUISER HDA is recommended for lubrication of both diesel engines and gasoline engines, supercharged or turbocharged, in vehicles, heavy equipment, stationary machinery, and marine applications.

Specification Meets

CRUISER HDA meets API service CF/CF-2/SF, ACEA E2-96, MB Sheet 228.0, MAN 270, MTU Type 1, Caterpillar TO-2, Allison C-4

Advantages

CRUISER HDA is formulated from high quality raw materials with a high viscosity index. It contains detergent dispersant, anti-oxidant, anti-corrosion, anti-wear, and anti-foaming additives to provide additional engine protection.

Typical Data of CRUISER HDA

Characteristics	Unit	CRUISER HDA				Test Method
		10W	30	40	50	
Color		L 2.5	L 2.5	L 3.0	L 4.0	ASTM D 1500
Density @ 15 °C	kg/L	0.8701	0.8901	0.8968	0.9020	ASTM D 4052
Kinematic Viscosity @ 40 °C	cSt	40.90	91.98	149.80	215.65	ASTM D 445
Kinematic Viscosity @ 100 °C		6.67	11.05	14.92	18.97	
Viscosity Index		117	106	99	98	ASTM D 2270
Flash Point (COC)	°C	222	238	240	248	ASTM D 92
Pour Point	°C	-36	-24	-21	-15	ASTM D 97
CCS, @-25°C	Cp	4152	-	-	-	ASTM D 5293
Sequence I : 24 °C	mL	0/0	0/0	0/0	0/0	ASTM D 892
Sequence II : 93.5 °C		10/0	10/0	10/0	10/0	
Sequence III : 24 °C after 93.5 °C		0/0	0/0	0/0	0/0	
Total Base Number	mg KOH/g	11.28	11.37	11.48	11.71	ASTM D 2896

* the typical characteristic mentioned represent mean values