

VOYAGER HPSD

15W/40, 20W/50, 10W, 30, 40, 50

DESCRIPTION

VOYAGER HPSD is a premium quality, heavy duty diesel engine oil designed for the high performance requirement of modern, highly rated turbocharged diesel engines in road transport and off-highway operations.

APPLICATIONS

VOYAGER HPSD is suitable for use in a variety of highly rated turbocharged and naturally aspirated high speed diesel engines. It can also be used for some types of gasoline engines, making it ideal for mixed fleet operations. It can be used as C4 transmission fluid in Allison transmissions and in Caterpillar transmissions.

BENEFITS

- Extended oil drain period.
- Large reduction in bore polishing.
- Maintains excellent engine cleanliness.
- Increases engine protection and hence longer engine life.
- Maximum control of piston deposits and ring sticking.
- Excellent shear stability.

PERFORMANCE LEVEL

API CH-4/SJ
 ACEAA2/B3/E2/04
 MB228.3
 MAN271
 VOLVO.....VDS
 MACK.....EO-L Plus
 MTU.....TYPE 1
 VW.....50100 505 00

NOTE:

Due to some licensing and approval rules and regulations set by API & OEM's above performance levels may not apply to All SAE viscosity grades although they have the same additive treat rates. For more details please contact ADNOC Distribution Technical Services.

PRODUCT TYPICAL CHARACTERISTICS

PROPERTIES		UNITS	VALUE						TEST METHOD
Grade		-	15W/40	20W/50	10W	30	40	50	-
Specific Gravity	@ 15°C	-	0.8810	0.8925	0.8795	0.8800	0.8850	0.8995	ASTM D-1298
Viscosity	@ 40°C	mm ² /s	99.10	150.5	49.00	98.00	134.4	196.5	ASTM D-445
	@ 100°C	mm ² /s	13.75	17.75	7.00	11.00	13.75	17.75	ASTM D-445
Viscosity Index		-	140	130	98	98	98	98	ASTM D-2270
Flash Point	COC	°C	230	240	225	235	250	260	ASTM D-92
Pour Point		°C	-27	-27	-33	-18	-15	-9	ASTM D-97
Base Number		mg KOH/g	10	10	10	10	10	10	ASTM D-2896
Color		-	3.0	3.0	3.0	3.0	3.0	L3.5	ASTM D-1500
CCS Vis		cP	6500	8500	6500	-	-	-	ASTM D-5293
		°C	@-20	@-15	@-25	-	-	-	