

VOYAGER PLUS

15W/40, 20W/50, 40, 50

DESCRIPTION

VOYAGER PLUS is a premium high quality engine oil. It is an ideal mixed fleet engine oil. It is also suitable for many brands of diesel engines, either made in America, Europe, Japan or other Asian countries because it has global performance level DH D-1. The additive used in blending VOYAGER PLUS has proven its high performance in the field.

APPLICATIONS

VOYAGER PLUS is designed for use in the most severe diesel engines. It is used in high speed, high load conditions, off highway and on-highway vehicles. It is recommended for most types of diesel engines, whether naturally aspirated super charged or turbo-charged.

VOYAGER PLUS is a universal engine oil that can be used in mixed fleet applications since it meets the high performance specification for gasoline engines and also for light duty diesel cars, vans and buses.

BENEFITS

- Very good oxidation stability and soot handling capability so it has longer drain interval.
- Very good capability in preventing wear at valve train, piston ring and liner caused by high soot content and corrosion.
- Very good detergency and dispersancy ability to prevent the formation for deposit and sludge in the engine.
- Optimal viscosity either at high or low oil operation temperatures.
- Mixed fleet engine oil for American, European and Japanese vehicles.
- Universal engine oil for both old and new diesel engine.
- Excellent shear stability.

PERFORMANCE LEVEL

APICI4/SL
 GLOBAL.....DHD-1
 ACEAE7/A3/B4/04
 MB228.3
 MAN3275
 VOLVO.....VDS3
 MACK.....EO-M Plus
 MTU.....TYPE 2
 CUMMINS.....20072/1/6/7/8
 RVI.....RLD/RLD2
 CAT.....ECF 1

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	40	50	-
Specific Gravity	@ 15°C	-	0.8800	0.8890	0.8850	0.9010	ASTM D-1298
Viscosity	@ 40°C	mm ² /s	99.00	150.5	134.5	198.0	ASTM D-445
	@ 100°C	mm ² /s	13.75	17.75	13.75	17.75	ASTM D-445
Viscosity Index		-	140	130	98	98	ASTM D-2270
Flash Point	COC	°C	230	240	250	260	ASTM D-92
Pour Point		°C	-27	-27	-15	-9	ASTM D-97
Base Number		mg KOH/g	10	10	10	10	ASTM D-2896
Color		-	3.0	3.0	3.0	3.5	ASTM D-1500
CCS Vis		cP	6500	8500	-	-	ASTM D-5293
		°C	@ -20	@ -15	-	-	