

PRODUCT INFORMATION

PRODUCT NAME VASOIL LEOPARD S3

DESCRIPTION LEOPARD S-3 OILS are series 3 level lubricants for high output normally aspirated Diesel and Gasoline engines. They are formulated from top quality base stock of high Viscosity Index treated with a large percentage of additives to impart superior detergency together with high dispersant antioxidant, anticorrosion, antiwear antifoam properties.
The LEOPARD S3 oil range is marketed in various Viscosity grades.

PRODUCT USE

LEOPARD S3 oils range has a variety of uses as per each of its viscosity grades.

LEOPARD S3 Monogrades

LEOPARD S3 10W ,20W are used in hydraulic systems where such an oil is recommended.
LEOPARD S3 Monogrades SAE 30, 40, 50 are suitable for **Diesel** Engines, industrial transmissions where a non EP oil is required and every where a Series 3 Monograde Oil is recommended.

LEOPARD S3 Multigrades

LEOPARD S3 Multigrade Oils are intended for the lubrication of **Diesel** and **Gasoline** engines that A.P.I. CD /SG specifications are recommended.

LEOPARD S3 10W/30 is recommended in cold climates.

LEOPARD S3 15W/40 and 20w/40 are Viscosities widely used.

LEOPARD S3 20W/50 is recommended in hot climates

SPECIFICATIONS

LEOPARD S3 Multigrades meets the requirements of the following specifications

- API Service CD/SG

LEOPARD S3 Monogrades meets the requirements of the following specifications

- API Service CD/CF/SF - CAT TO-2

CHARACTERISTICS (TYPICAL PROPERTIES)

VASOIL BRAND	SAE Viscosity Grade	Mass Density @ 15 C Kg / lt	Flash point ASTM C	Pour point D93 C	Kinematic Viscosity		Viscosity Index	TBN mgKOH/ g
					40 C	100 C		
					LEOPARD S3			
MONOGRADES	10W	0,870	210	-30	27	5,0	111	7.5
	20W	0,875	215	-25	46	7,0	109	7.5
	30	0,880	240	-20	111	12,0	97	8.0
	40	0,890	243	-20	148	14,6	97	8.0
	50	0.910	260	-15	207	18,0	95	8.0
MULTIGRADES	15W/30	0,875	218	-30	65,04	10,02	138	7,5
	15W/40	0,880	230	-30	104	14,0	136	7,5
	20W/40	0,885	240	-25	122	14,0	113	7,5
	20W/50	0,890	240	-25	168	18,5	123	7,5