

TECHNICAL DATA SHEET

HD S3X

11/15

Product Description:

HD S3X Oils are a range of quality monograde engine oils, manufactured from high quality mineral oils. HD S3X Oils will provide protection from wear and corrosion in 4-stroke turbo charged and non-turbo charged indirect injection petrol and diesel engines where a monograde oil is specified.

Benefits:

- Turbocharged and naturally aspirated petrol and diesel engines.
- Protection against wear and corrosion.

Applications:

HD S3X SAE 30, 40 and 50 are suitable for use in petrol and diesel engines where this type of oil is specified.

HD S3X SAE 10W, 20W and 30 are suitable for transmission and hydraulic systems in off highway uses.

HD S3X SAE 50 where specified is suitable for use in gearboxes.

Product Profile:

Allison: C4 (SAE 10W, 20W)

API: CF/CF-4 SF/SG (SAE 30, 40, 50)

Caterpillar: TO-2 (10W, 20W)

MAN 270 (SAE 30, 40, 50)

MB: 228.2 (SAE 30, 40, 50)

ZF TE-ML 03B/03C/05K/21K (SAE 10W)

ZF TE-ML 02H/03A/03C/06A/07D (SAE 20W)

ZF TE-ML 02H/03A/03C/04B/07F (SAE 30)

ZF TE-ML 04B (SAE 40)

ZF TE-ML 04E (SAE 50)

Typical Test Data:

		10W	20W	30	40	50
SAE Viscosity Grade	-	10W	20W	30	40	50
Specific Gravity @: 15°C	-	0.873	0.878	0.885	0.885	0.89
Kinematic Viscosity mm ² /S						
	@40°C	37.0	61.0	92.0	134.0	190
	@100°C	6.1	8.2	10.7	13.9	18
Viscosity Index (VI)	-	108	100	98	98	98
Pour Point °C	-	-33	-22	-19	-19	-15
Total Base Number mg KOH/gm	-	7.9	7.9	7.9	7.9	7.9
Sulphated Ash % wt	-	1.0	1.0	1.0	1.0	1.0