

## Product Information

# RING FREE XHD 10W, 20W, 30, 40 & 50

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## Description

Ring Free XHD monogrades are high quality engine oils particularly recommended for haulage, plant contractors and certain mixed fleet operations. They are manufactured from high quality mineral oils and provide protection against wear, rust and corrosion. The technology used in these oils gives excellent results in 4-stroke turbo-charged and naturally aspirated indirect injected diesel engines and petrol engines requiring monograde oils.

## Applications

Ring Free XHD 30, 40 and 50 are suitable for use in diesel and petrol engines where grades of this type and performance level are specified.

Ring Free XHD 10W, 20W and 30 are recommended for transmission and hydraulic systems in agricultural and off-highway applications.

Ring Free XHD 50 is also recommended for gearboxes where a grade of this type and performance is specified. e.g. Road Ranger.

## Performance Levels

API CF/CF-4/SF/SG	Ring Free XHD 30, XHD 40, XHD 50
Mercedes Benz 228.2/228.3	Ring Free XHD 30, XHD 40, XHD 50
MAN 270	Ring Free XHD 30, XHD 40, XHD 50
Volvo VDS	Ring Free XHD 30
Allison C4	Ring Free XHD 10W, XHD 20W
Caterpillar TO-2	Ring Free XHD 10W, XHD 20W
ZF TE-ML 03B/03C/05K/21K	Ring Free XHD 10W
ZF TE-ML 02H/03A/03C/06A/07D	Ring Free XHD 20W
ZF TE-ML 02H/03A/03C/04B/07F	Ring Free XHD 30
ZF TE-ML 04B	Ring Free XHD 40
ZF TE-ML 04E	Ring Free XHD 50

## Physical Characteristics

SAE Classification	10W	20W	30	40	50
Density at 15 °C	0.886	0.884	0.896	0.899	0.904
Kinematic Viscosity at 100 °C, cSt	6.5	8.5	11.0	14.2	19.1
Kinematic Viscosity at 40 °C, cSt	40	60	95	144	220
Viscosity Index	110	105	100	96	98
Flash Point (closed) °C	190	190	200	200	205
Sulphated Ash (%Wt.)	1.1	1.1	1.1	1.1	1.1
Pour Point, °C	-35	-30	-25	-20	-20
TBN, mg/KOH/g	9.0	9.0	8.4	8.4	8.4

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