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Product Codes: HZ0518, HZ0519, HZ0520, HZ0521, HZ0523

**SARMAX ZF HYDRAULIC OILS – ISO 32, 46, 68, 100 & 150** are a range of premium quality, zinc-free hydraulic oils, manufactured from a blend of low-sulphur base oils and a multipurpose ashless hydraulic oil additive package.

## APPLICATION

For use in both closed and total loss systems where a zinc-free hydraulic operating fluid is required.

## BENEFITS

- Suitable for a wide range of industrial applications.
- Extensive range of viscosities to meet most requirements.
- Reduced viscosity variation with temperature.
- Thermally stable in extreme conditions of temperature and load which supports resistance to degradation.
- Reduced environmental impact due to low-sulphur, low-ash, zinc free formulation.

## TYPICAL PROPERTIES

	ISO Viscosity @ 40°C	ISO Viscosity @ 100°C	Density @ 15°C	Pour Point °C	Flash Point °C (COC)
Sarmax ZF Hydraulic Oil – ISO 32	32	4.9	0.883	-24	205
Sarmax ZF Hydraulic Oil – ISO 46	46	6.3	0.876	-24	210
Sarmax ZF Hydraulic Oil – ISO 68	68	8.3	0.882	-24	220
Sarmax ZF Hydraulic Oil – ISO 100	100	10.8	0.889	-18	225
Sarmax ZF Hydraulic Oil – ISO 150	150	14.3	0.891	-15	230

## PERFORMANCE STANDARDS

- DIN 51524 Part 2 (HLP)
- Parker (Denison) HF-2, HF-1, HF-0
- Eaton Vickers I-286-S
- Fives (Cincinnati) P-68, P-69, P-70
- Bosch Rexroth RE 90 220
- AFNOR NF E 48-603 (HM)
- ASTM D6158 (HM)
- SAE MS 1004 (HM)
- ISO 11158 (HM)
- ISO 20763 vane pump test

## HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.