

CORVETTE® SIGMA HVI ZF HYDRAULIC OILS

DESCRIPTION:

CORVETTE SIGMA HVI ZF is a high-quality hydraulic fluid containing ash-free antiwear additives and carefully selected quality mineral base oil, which ensures consistently high performance even in hydraulic systems operating under heavy load conditions. Its balanced additive system does not contain zinc, calcium, or silicon compounds. very high viscosity index and low pour point so it may be considered multigrade products.

APPLICATION:

CORVETTE SIGMA HVI ZF range is recommended for the lubrication of:

- Hydraulic systems operating at high pressures and under heavy operating conditions.
- Industrial equipment operating at low temperatures (pumps, servo systems)
- Circulation systems
- Air compressors (two-stage air compressors, temperatures up to 220°C).

BENEFITS:

- Reliable long-term operation, even in equipment exposed to heavy loads at high pressures.
- Wide range of operating temperatures
- Anti-wear performance close to that of gear oils (FZG up to 12).
- Low deposit formation.
- Maximum anti-wear, anti-corrosion, and anti-foaming.
- Outstanding thermal and hydrolytic stability.
- Excellent water separation.
- Zinc-free additive system reduces environmental impact when the product is ingressed into wastewater.

Specifications

CORVETTE SIGMA HVI ZF Oils meet the requirements of:

DIN 51524 PART 3 (HVLP)

ISO 11158 (HV)

AFNOR NFE 48603 (HM)

Sperry Vickers I-286-S

Cincinnati Machine P68, P69, and P70

Typical Physical Characteristics

CORVETTE SIGMA HVI ZF	Unit	Method	32	37	46	68	100
ISO Oil Type	ISO 11158		HV	HV	HV	HV	HV
Kinematic Viscosity		ASTM D 445					
@40°C	cSt	-	32	37	46	68	100
100°C	cSt	-	6.400	7.100	8.100	11.00	14.50
Viscosity Index	-	ASTM D 2270	157	157	154	153	150
Density @ 15°C	kg/l	ASTM D 1298	0.875	0.875	0.883	0.884	0.886
Flash Point (COC)	°C	ASTM D 92	210	215	220	230	240
Pour Point	°C	ASTM D 97	-36	-33	-30	-30	-27

- These characteristics are typical of current production. Whilst future production will conform to CORVETTE specifications, variations in these characteristics may occur.
- For further guidance on Product Health & Safety refer to the appropriate CORVETTE Product Safety Data Sheet.
- Dispose of the used oil to an authorized collection point. Do not discharge into drains, soil, or water.



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