



# Danzol Machineway ZF

## Machine Tools

### Applications:

- Machineway offers a wide range of products for all parts of machine tools (hydraulics, slides, gears).
- Hydraulic circuits for hydraulic pumps and motors (iso 32-46).
- High speed machine spindles (15 and 22)
- Hydrodynamic lubrication of mill roll stands during grinding (VG 460). Textile Industry

- ❖ Textile Industry
- ❖ Paper Industry
- ❖ Timber Industry
- ❖ Oil & Gas
- ❖ Steam production

### Specifications:

- CINCINNATI MACHINE: P65-P62-P47-P50-P53-P45.
- DIN 51502
- ISO 6743/2 : FD2 ; FD5 ; FD10 ; FD 22 ; FD 32
- ISO 6743/4
- ISO 6743/13

### Advantages:

- Excellent anti-stick-slip properties.
- Antioilmist properties.
- Very good oxidation resistance
- Very good protection against rust
- Very good anti-wear properties.
- Good filterability
- Excellent extreme-pressure properties
- Strong stickiness
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### Typical properties:

PROPERTY	METHODS	UNITS	TYPICAL VALUES									
			15	22	32	46	68	100	150	220	320	460
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	843	864	870	880	885	886	890	900	900	905
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	15	22	32	46	68	100	150	220	320	460
Viscosity index	ISO 2909		100	100	104	104	103	100	99	99	98	95
Flash point Cleveland	ISO 2592	°C	190	210	210	230	240	250	260	260	260	260
Pour point	ISO 3016	°C	- 27	- 27	- 21	- 18	- 15	- 15	- 15	- 12	- 9	- 6
Aniline point	ISO 2977	°C	96	97	100	102	103	109	110	110	110	110