



Drosera MS

DESCRIPTION

High performance multifunctional zinc free oils for machine tools.

Drosera MS consists of a wide product range for **all components of machine tools (slideways, spindles, hydraulic systems, gears).**

SPECIFICATIONS

- ISO 6743/ 2: FD2 ; FD5 ; FD10 ; FD 22 ; FD 32
- ISO 6743/ 4: HG32
- ISO 6743/ 13: GA68; GA100; GA150; GA220
- DIN 51502: CGLP46 ; CGLP68 ; CGLP100 ; CGLP150 ; CGLP220 ; CGLP320 ; CGLP 460
- Drosera MS range is homologated by 40+ OEMs

APPLICATIONS

- Grades ISO VG 68 to 320: machine tool slideways; all conditions of speed / load.
- Grades ISO VG 32 and 46: mainly multipurpose: light to moderate duty horizontal slideways and hydraulic circuits (hydraulic pumps and motors).
- Grades ISO VG 68 to 460: gear boxes and feed mechanisms of all types with or without wet electromagnetic clutches.
- Grades ISO VG 2 to 22: high-speed machine spindles (grades 5, 10, 15, 22) and very high-speed spindles (grade 2).
- Grade ISO VG 460: suitable for hydrodynamic lubrication of mill rolls stands during grinding.
- ISO VG 68 to 150 are also well suited to cold heading applications
- Suitable for centralized systems.

ADVANTAGES

- Excellent extreme-pressure properties
- Excellent anti-stick-slip properties.
- High tackiness (grades ISO VG 68 to 320).
- Very low coefficient of friction.
- Anti-mist properties.
- Very good foaming resistance.
- Very good protection against rust and oxidation
- Very good anti-wear properties.
- Good filterability.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

TYPICAL CHARACTERISTICS

Typical characteristics	Methods	Units	Drosera MS												
			2	5	10	15	22	32	46	68	100	150	220	320	460
Density at 15°C	ISO 3675	kg/m ³	824	818	841	843	864	870	880	885	886	890	900	900	905
Viscosity at 40°C	ISO 3104	mm ² /s	2	5	10	15	22	32	46	68	100	150	220	320	460
Viscosity index	ISO 2909		-	-	85	100	100	104	104	103	100	99	99	98	95
Flash point Cleveland	ISO 2592	°C	82	150	160	190	210	210	230	240	250	260	260	260	260
Pour point	ISO 3016	°C	- 60	- 30	- 36	- 27	- 27	- 21	- 18	- 15	- 15	- 15	- 12	- 9	- 6
Aniline point	ISO 2977	°C	69	93	95	96	97	100	102	103	109	110	110	110	110

The characteristics shown in this table are typical values given for illustrative purposes.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com