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

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SA 552 006 454 RCS Nanterre - France

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.

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