



Swd Rheinol Robotan MR

ISO VG 22, 32, 46, 68 & 100

Machine Oil Raffinate according DIN 51 517 Part 1

Description and Properties

Swd Rheinol Robotan MR - machine oils are light or yellowish color-fast raffinates without any additives. The viscosity-grading corresponds to the ISO-classification 3448.

Application

Swd Rheinol Robotan MR - machine oils are primarily foreseen for the lubrication of the most different machine components like roller bearings, slide bearings and lowly loaded industrial gears. The selection criterion is determined by the requirements of the lubrication point (rotary speed, loading, bearing geometry).

Swd Rheinol Robotan MR - machine oils also are used as mineral oil component in chemical-technical products.

Qualification

- ❖ DIN 51 517 Teil 1

Typical Values

Swd Rheinol Robotan MR	unit	value					method
ISO-VG class		22	32	46	68	100	DIN 51 519
Density at 15°C	kg/m ³	867	872	884	889	894	DIN 51 757
Color (ASTM)		L 1,5	L 1,5	L 1,5	L 2,0	L 2,5	DIN ISO 2049
Kinematic viscosity at 20°C	mm ² /s	55	83	134	215	340	DIN 51 562
Kinematic viscosity at 40°C	mm ² /s	22,5	30,5	46	68	100	DIN 51 562
Kinematic viscosity at 100°C	mm ² /s	4,4	5,1	6,7	8,6	11,1	DIN 51 562
Refraction index (n _{20D})		1,480	1,481	1,482	1,485	1,485	DIN 51423 T. 2
Viskositäts-density constant (VDC)		0,819	0,819	0,818	0,818	0,815	DIN 51 378
Refraction intercept (R _I)		1,044	1,044	1,044	1,045	1,045	DIN 51 378
Carbon distribution	C _A %	4	5	4	4	4	DIN 51 378
	C _N %	29	30	32	31	30	
	C _P %	67	65	64	65	66	
Neutralization number	mg KOH/g	0,05	0,05	0,05	0,05	0,05	DIN 51 558 T. 1
Pour point	°C	-18	-15	-15	-12	-12	DIN ISO 3016
Flash point	°C	205	215	220	235	240	DIN ISO 2592
Sulfur	mass. %	0,42	0,45	0,3	0,3	0,3	DIN 51 400
Oxid ash	mass. %	0,01	0,01	0,01	0,01	0,01	DIN EN 7
Boiling range	°C	310-560	320-570	330-570	400-550	400-550	DIN 51 435
Article-No. :		38204	38203	38206	38208	38210	

Specification variations in these characteristics may occur.
The instructions of manufacturer must be regarded.
Further informations to be available by MSDS.

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