

D133-DE4500 Grasbrook LubProd
Worthdamm 32&50
Hamburg
20457
Germany



Certificate of Analysis

Material 550043091 Date Manufactured 26 Oct 2022
Material Description Shell Rimula R6 LME 5W-30 1* 209L Date Tested 02 Nov 2022
Batch Number 11989731

Test Description	Result	Unit	Method
Viscosity Kinematic 40°C	71,11	mm2/s	ISO 3104
Viscosity Kinematic 100°C	12,030	mm2/s	ISO 3104
Viscosity Index	167	*****	ISO 2909
Appearance	Clear and Bright	-	VISUAL
Colour (ASTM) (Quantitative)	< 4,0	*****	ISO 2049
Density 15°C (by Densitometer)	846,5	kg/m3	ISO 12185
Pour Point	-60	CEL	ASTM D5950
Viscosity, Dynamic (CCS) -30°C	6230	mPa.s	ASTM D5293
Flash Point, COC	228	CEL	ISO 2592
Base Number by HClO4 Titr.	10,60	mgKOHg	ASTM D2896
Infra Red Finger Print Qual	Pass	-	DIN 51451
Particle Count 1	22	*****	ISO 4406
Particle Count 2	21	*****	ISO 4406
Particle Count 3	16	*****	ISO 4406
Calcium Content by ICP %M	0,2650	%(m)	DIN 51399-1
Magnesium Content by ICP %M	0,0011	%(m)	DIN 51399-1
Zinc Content by ICP %M	0,0840	%(m)	DIN 51399-1
Phosphorus Content by ICP %M	0,0738	%(m)	DIN 51399-1
Molybdenum Contnt MG/KG	1	mg/kg	DIN 51399-1

Date 08 Nov 2022
Certified by Eric Froboese
Preferred contact + 49(0)40809080504

*Grasbrook Lubricants Centre maintains a Quality Control System to ensure product supplied meets required specifications. Certified to DIN EN ISO 9001:2015
This CoA conforms with DIN EN 10204 acc. 3.1*

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