

Lab number: 1705223

Machine type
Spherical Roller Bearing

Grease quantity in system
490 g

Manufacturer
Dopplmayr

Working conditions
Wet

Grease type
Nils Atomic RH EP 2

The values for wear metals have only increased slightly. This low wear is within the normal range. The penetration is in the range of consistency class NLGI 2. The water content is within the normal range. You should monitor the further changes based on the next analysis. I advise you: Send us the next sample at your next maintenance or during the regular inspection to observe the trend behavior.



NORMAL

Dipl.-Ing. Andy Böhme (MLA II + CLS)

ANALYSIS RESULTS			Current sample	Previous samples →			
Lab number			1705223	1705224	1705225	1705226	
SAMPLE RATING			✓	✓	ⓘ	✓	
Date of examination			28.04.2025	19.04.2024	20.04.2023	20.04.2022	
Date of sample taken			08.04.2025	05.04.2024	07.04.2023	07.04.2022	
Date of last relubrication			01.02.2025	17.02.2024	01.02.2023	07.04.2022	
Refil volume			800 g	800 g	800 g	800 g	
Relubrication interval			500 h	500 h	2 M	2 M	
Total operating time of unit			23100 h	21920 h	20800 h	19574 h	
Sampling Point			Entnahmebohrung				
Relubrication			yes	yes	yes	yes	
WEAR							
Iron	Fe	mg/kg	67	7	7	7	
Chrome	Cr	mg/kg	0	0	0	0	
Tin	Sn	mg/kg	0	0	0	0	
Aluminum	Al	mg/kg	6	5	5	4	
Nickel	Ni	mg/kg	0	0	0	0	
Copper	Cu	mg/kg	7	5	10	13	
Lead	Pb	mg/kg	0	0	0	0	
Manganese	Mn	mg/kg	2	2	3	2	
PQ index	-	-	< 25	< 25	< 25	< 25	
CONTAMINATION							
Silicon	Si	mg/kg	7	5	5	4	
Potassium	K	mg/kg	3	2	3	2	
Sodium	Na	mg/kg	99	94	89	89	
Titanium	Ti	mg/kg	1	1	1	-	
Vanadium	V	mg/kg	-	1	1	-	
Water K. F.		ppm	489	529	562	294	

LAB REPORT

Unit id
LIFT
Component
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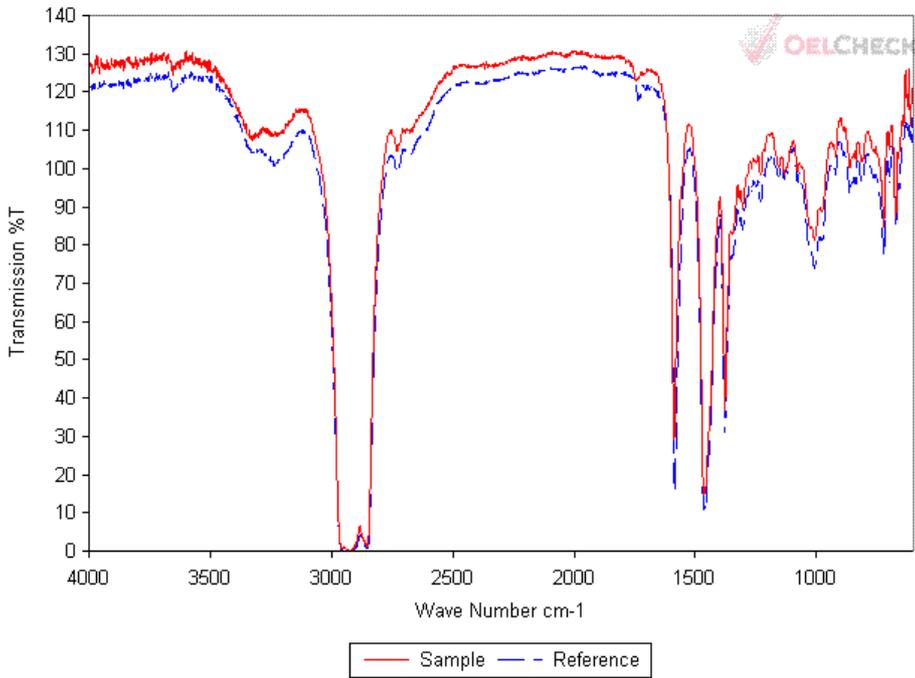
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ADDITIVES							
Calcium	Ca	mg/kg	9949	8509	4546	7168	
Magnesium	Mg	mg/kg	58	50	54	49	
Boron	B	mg/kg	1	1	1	0	
Zinc	Zn	mg/kg	4847	5137	3226	4586	
Phosphorus	P	mg/kg	3160	3251	3260	2924	
Barium	Ba	mg/kg	4	2	1	2	
Molybdenum	Mo	mg/kg	3	3	5	3	
Lithium	Li	mg/kg	57	418	43	365	
ADDITIONAL TESTS							
Unworked penetration			294	305	> 385	335	



LAB REPORT

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SAMPLE IMAGES (LABORATORY NUMBER: 1705223)



INFRARED SPECTRUM



BOTTLE AND CAP



Any questions?

Phone: +49 8034 9047-210
ta@oelcheck.de

LAB REPORT



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sample/1705223](http://www.lab.report/sample/1705223)