

Unit ID **Wind energy system 1**
 Component **Main bearing, grease lubricated**
 Current sample number **1704316**



OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Example report
 Analysis scope: Wind power analysis kit

Machine type: **MD70/77 1500 kW, Fuhrländer**
 Manufacturer: **SKF**
 Grease type: **SKF LGEP 2**
 Grease quantity in the bearing: **6 kg**

Serial number: **AHV-0052**

Diagnosis for the current laboratory values

All values determined are within the permissible tolerance limits. We cannot find any abnormal wear or harmful contamination. Continued operation is possible without corrective measures. Please observe further changes with the next sample. I recommend that you send the next sample at the next service interval or at your regular inspection for trend analysis.

Dipl.-Ing. Andy Böhme (CLS)

Sample Rating



normal

ANALYSIS RESULTS			Current sample	2 previous samples not shown		
LAB NUMBER			1704316	1704317	1704318	1704319
SAMPLE RATING			✓	✓	⚠	⚠
Date tested			31.05.2023	16.11.2022	14.04.2022	08.02.2022
Date of sample taken			15.05.2023	03.11.2022	-	27.01.2022
Date of last relubrication			-	-	-	-
Relubrication Quantity			-	5	2,5	5
Relubrication Interval			-	-	-	-
Total operating time	h		97012	92486,4	-	85830
Relubrication			-	-	-	no
WEAR						
Iron	Fe	mg/kg	395	344	791	2040
Chrome	Cr	mg/kg	6	8	8	17
Tin	Sn	mg/kg	0	0	0	0
Aluminum	Al	mg/kg	2	2	1	2
Nickel	Ni	mg/kg	1	1	1	1
Copper	Cu	mg/kg	11	12	12	14
Lead	Pb	mg/kg	1	2	2	1
Manganese	Mn	mg/kg	3	4	3	4
PQ index	-		202	209	228	234
CONTAMINATION						
Silicon	Si	mg/kg	8	8	8	8
Potassium	K	mg/kg	3	3	3	4
Sodium	Na	mg/kg	81	99	105	218
Vanadium	V	mg/kg	-	1	1	1
Tungsten	W	mg/kg	-	-	-	3
Water K. F.		ppm	572	556	495	522
BASE OIL CONDITION						
IR index	-		97.35	98.72	98.73	98.88
ADDITIVES						
Calcium	Ca	mg/kg	2460	3033	3020	5247
Magnesium	Mg	mg/kg	8	6	6	7
Boron	B	mg/kg	4	4	4	4
Zinc	Zn	mg/kg	2926	3189	3190	7533
Phosphorus	P	mg/kg	2462	2481	2143	2171
Barium	Ba	mg/kg	0	1	0	1
Molybdenum	Mo	mg/kg	3	2	2	2
Lithium	Li	mg/kg	2588	2402	2159	2399

Bottle and cap



Infrared Spectrum

