

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 115841-1253 - Rear Right Wheel Hub

Sample No: LH06063161

Oil Type: GEAR OIL SAE 80W90



SPARTAN RECYCLING
 3071 HOWARD ST
 SPARTANBURG, SC
 US 29303
 Contact: SERVICE MANAGER

T:
 F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



SAMPLE INFORMATION

Sample Number	LH06063161	LH0235735	LH0207555	LH0230045
Sample Date	11 Jan 2024	28 Sep 2023	22 Mar 2023	10 May 2022
Machine Hours	11390	10707	9140	6891
Oil Hours	0	0	2000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	136	130	73.8	94.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	3	25	3
Sodium	ppm	0	<1	2	0
Potassium	ppm	2	4	2	1



WEAR METALS

Iron	ppm	11	13	60	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	6	<1
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	<1	1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	96	208	33	60
Magnesium	ppm	7	17	8	6
Zinc	ppm	2	70	18	22
Phosphorus	ppm	405	466	303	325
Barium	ppm	2	0	0	0
Boron	ppm	0	0	4	7

Depot: SPASPALH
Unique No: 10834543
Signed: Wes Davis
Report Date: 18 Jan 2024



GRAPHS

