

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 1200-72683 - Front Right Wheel Hub

Sample No: LH06063162

Oil Type: GEAR OIL SAE 80W90



SPARTAN RECYCLING

3071 HOWARD ST
SPARTANBURG, SC
US 29303

Contact: SERVICE MANAGER

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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	LH06063162	LH0235769	LH0217619	LHMC144960
Sample Date	12 Jan 2024	27 Sep 2023	23 Mar 2023	12 Feb 2021
Machine Hours	14822	14249	13667	11626
Oil Hours	0	0	1000	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	132	116	93.1	105
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	3	4
Sodium	ppm	<1	<1	2	1
Potassium	ppm	1	3	1	0



WEAR METALS

Iron	ppm	30	53	29	63
Copper	ppm	<1	2	2	2
Lead	ppm	0	0	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	2	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	37	67	25	31
Magnesium	ppm	5	11	9	6
Zinc	ppm	0	23	6	12
Phosphorus	ppm	347	319	355	336
Barium	ppm	3	0	0	0
Boron	ppm	0	0	3	3

Depot: SPASPALH

Unique No: 10834544

Signed: Sean Felton

Report Date: 19 Jan 2024



GRAPHS

