

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 1200-72683 - Splitter Box

Sample No: LH06063163

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH06063163	LH0235766	LH0217618	LHMC133989
Sample Date	12 Jan 2024	27 Sep 2023	23 Mar 2023	06 Sep 2022
Machine Hours	14822	14243	13667	12693
Oil Hours	0	0	1000	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	SEVERE	ABNORMAL	SEVERE

SPARTAN RECYCLING

3071 HOWARD ST
SPARTANBURG, SC
US 29303

Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	114	106	74.0	84.0
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	41	14	17
Sodium	ppm	0	3	<1	<1
Potassium	ppm	2	4	<1	2

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	132	887	115	675
Copper	ppm	<1	3	1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	10	2	5
Chromium	ppm	<1	12	1	7
Molybdenum	ppm	<1	2	1	1
Nickel	ppm	0	1	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	9	3	5
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	43	167	53	37
Magnesium	ppm	9	19	13	7
Zinc	ppm	25	72	57	29
Phosphorus	ppm	395	472	336	374
Barium	ppm	3	0	0	0
Boron	ppm	<1	2	3	5

Depot: SPASPALH
Unique No: 10834545
Signed: Sean Felton
Report Date: 19 Jan 2024



GRAPHS

