

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 115841-1253 - Front Right Wheel Hub

Sample No: LH06063157

Oil Type: GEAR OIL SAE 80W90



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



SAMPLE INFORMATION

Sample Number	LH06063157	LH0235739	LH0207556	LHMC133952
Sample Date	11 Jan 2024	28 Sep 2023	22 Mar 2023	02 Sep 2022
Machine Hours	11390	10707	9140	7815
Oil Hours	0	0	2000	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	141	146	101	108
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	6	10	9
Sodium	ppm	<1	2	2	3
Potassium	ppm	2	4	3	1

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.



WEAR METALS

Iron	ppm	39	51	24	24
Copper	ppm	<1	1	2	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	1	1	1
Nickel	ppm	0	0	0	2
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	177	412	59	45
Magnesium	ppm	12	30	6	4
Zinc	ppm	29	131	18	15
Phosphorus	ppm	476	619	278	251
Barium	ppm	3	0	0	0
Boron	ppm	<1	0	<1	3

Depot: SPASPALH
Unique No: 10834539
Signed: Wes Davis
Report Date: 18 Jan 2024



GRAPHS

