

LIEBHERR

CONSTRUCTION EQUIPMENT



[(343446)] LIEBHERR LH60M 124381-1217 - Front Left Wheel

Sample No: LH0289696

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0289696	LH0247152	LH0256682	LH0251648
Sample Date	16 Apr 2024	26 Jun 2023	02 Apr 2023	06 Feb 2023
Machine Hours	13245	10141	9107	8526
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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Oil Condition

Visc @ 40°C	cSt	107	104	99.7	99.7



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	0	0	0



Wear Metals

Iron	ppm	<1	32	58	49
Copper	ppm	2	1	1	1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	13	6	10	10
Magnesium	ppm	2	2	2	2
Zinc	ppm	12	11	11	12
Phosphorus	ppm	1237	1254	1306	1341
Barium	ppm	0	0	0	0
Boron	ppm	322	299	310	314

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.

Depot: RAMTOR
Unique No: 5762932
Signed: Wes Davis
Report Date: 17 Apr 2024



Graphs

