

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0289695

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0289695	LH0247149	LH0256691	LH0251650
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	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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Oil Condition

Visc @ 40°C	cSt	107	103	101	99.2



Contamination

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



Wear Metals

Iron	ppm	<1	36	47	44
Copper	ppm	2	5	7	9
Lead	ppm	0	0	1	<1
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	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	13	5	8	11
Magnesium	ppm	<1	1	2	2
Zinc	ppm	11	12	13	18
Phosphorus	ppm	1233	1299	1304	1363
Barium	ppm	0	0	0	0
Boron	ppm	315	301	309	319

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: 5762928
Signed: Wes Davis
Report Date: 17 Apr 2024



Graphs

