

LIEBHERR

CONSTRUCTION EQUIPMENT



[(343446)] LIEBHERR LH60M 124381-1217 - Swing Drive

Sample No: LH0289701

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0289701	LH0265840	LH0256690	LH0251489
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	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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Oil Condition

Visc @ 40°C	cSt	103	105	104	101



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	2	2
Sodium	ppm	10	<1	<1	<1
Potassium	ppm	2	0	0	2



Wear Metals

Iron	ppm	121	89	43	240
Copper	ppm	21	31	22	83
Lead	ppm	0	<1	<1	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	11	4	10	12
Magnesium	ppm	1	1	2	2
Zinc	ppm	11	9	10	11
Phosphorus	ppm	1235	1288	1276	1291
Barium	ppm	0	0	0	0
Boron	ppm	297	308	296	289

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: 5762926
Signed: Wes Davis
Report Date: 17 Apr 2024



Graphs

