

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0296542

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0296542	LH0289701	LH0265840	LH0256690
Sample Date	07 Jul 2024	16 Apr 2024	26 Jun 2023	02 Apr 2023
Machine Hours	14056	13245	10141	9107
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

60 Ashwarren Road
TORONTO, ON
CA M3J 1Z5
Contact: PETER RACCO
PETER@RAMIRON.COM
T: (416)630-4545
F: (416)630-5258



Oil Condition

Visc @ 40°C	cSt	105	103	105	104
-------------	-----	-----	-----	-----	-----



Contamination

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



Wear Metals

Iron	ppm	68	121	89	43
Copper	ppm	15	21	31	22
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	10	11	4	10
Magnesium	ppm	2	1	1	2
Zinc	ppm	8	11	9	10
Phosphorus	ppm	1197	1235	1288	1276
Barium	ppm	0	0	0	0
Boron	ppm	301	297	308	296

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: 5811989
Signed: Wes Davis
Report Date: 09 Jul 2024



Graphs

