

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Swing Drive

Sample No: LH0266082

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0266082	LH0261404	---	---
Sample Date	20 Jun 2023	27 Apr 2023	---	---
Machine Hours	1188	558	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

RAM IRON AND METAL

60 Ashwarren Road
 TORONTO, ON
 CA M3J 1Z5
 Contact: PETER RACCO
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OIL CONDITION

Visc @ 40°C	cSt	121	177	---	---
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CONTAMINATION

Silicon	ppm	1	<1	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	<1	<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	145	157	---	---
Copper	ppm	28	26	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	16	17	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	12	9	---	---
Phosphorus	ppm	1637	2402	---	---
Barium	ppm	4	4	---	---
Boron	ppm	200	2	---	---

Depot: RAMTOR
 Unique No: 5605930
 Signed: Wes Davis
 Report Date: 10 Jul 2023



GRAPHS

