

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 141511-1217 - Swing Drive

Sample No: LH0246268

Oil Type: GEAR OIL SAE 75W90



Radius Recycling Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
 CA V3V 3T2
 Contact: Chris Trinkunas
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Sample Information

Sample Number	LH0246268	LH0246257	---	---
Sample Date	18 Apr 2024	08 Sep 2023	---	---
Machine Hours	2560	1531	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 99.6	● 105	---	---
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Contamination

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



Wear Metals

PQ		---	● 0	---	---
Iron	ppm	● 75	● 373	---	---
Copper	ppm	● 43	● 55	---	---
Lead	ppm	● <1	● 2	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● <1	● 0	---	---
Chromium	ppm	● <1	● 2	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● <1	● 2	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 4	● 24	---	---
Magnesium	ppm	● <1	● 1	---	---
Zinc	ppm	● 5	● 11	---	---
Phosphorus	ppm	● 1388	● 1325	---	---
Barium	ppm	● <1	● 2	---	---
Boron	ppm	● 239	● 252	---	---

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: AMISUR
 Unique No: 5773529
 Signed: Wes Davis
 Report Date: 30 Apr 2024



Graphs

