

LIEBHERR

CONSTRUCTION EQUIPMENT



[(362877)] LIEBHERR R914 053852-1511 - Left Final Drive

Sample No: LH0287895

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0287895	---	---	---
Sample Date	26 Apr 2024	---	---	---
Machine Hours	529	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HAFKE PROPERTY MAINTENANCE
 201 MAIN STREET
 TOBIQUE FIRST NATION, NB
 CA E7H 2X3
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	● 193	---	---	---
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T:
F:



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 78	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● 8	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 161	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 21	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	26	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	30	---	---	---
Phosphorus	ppm	1351	---	---	---
Barium	ppm	● 15	---	---	---
Boron	ppm	● 4	---	---	---

Depot: HAFTOB
Unique No: 5774814
Signed: Kevin Marson
Report Date: 07 May 2024



Graphs

