

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R940 056182 - Left Final Drive

Sample No: LH0289862

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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Sample Information

Sample Number	LH0289862	LH0279226	---	---
Sample Date	30 Apr 2024	03 Jan 2024	---	---
Machine Hours	1000	571	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	183	194	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	90	124	---	---
Sodium	ppm	8	14	---	---
Potassium	ppm	9	15	---	---



Wear Metals

Iron	ppm	125	223	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	27	45	---	---
Chromium	ppm	1	3	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	2	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	29	47	---	---
Magnesium	ppm	7	15	---	---
Zinc	ppm	6	17	---	---
Phosphorus	ppm	2230	1103	---	---
Barium	ppm	1	8	---	---
Boron	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.

Depot: LIEMIS
 Unique No: 5775548
 Signed: Kevin Marson
 Report Date: 10 May 2024



Graphs

