

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R940 056182 - Swing Drive

Sample No: LH0289861

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	LH0289861	LH0279225	---	---
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	● 184	● 191	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 0	● 2	---	---
Sodium	ppm	● 2	● 6	---	---
Potassium	ppm	● <1	● 4	---	---



Wear Metals

Iron	ppm	● 162	● 562	---	---
Copper	ppm	● 57	● 112	---	---
Lead	ppm	● <1	● 3	---	---
Tin	ppm	● 1	● 4	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● 3	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	● 4	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 7	41	---	---
Magnesium	ppm	● <1	● 1	---	---
Zinc	ppm	● 9	24	---	---
Phosphorus	ppm	● 2234	1521	---	---
Barium	ppm	● 1	● 9	---	---
Boron	ppm	● <1	● 2	---	---

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: 5775549
 Signed: Wes Davis
 Report Date: 09 May 2024



Graphs

