

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347307)] LIEBHERR R934 052025-1550 - Left Final Drive

Sample No: LH0270385

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0270385	---	---	---
Sample Date	27 Jul 2023	---	---	---
Machine Hours	2892	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MOFFATT SCRAP IRON & METAL INC.
 9620 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Paul Brochu
 maintenance@moffatsscrapiron.ca
 T: (905)854-2792
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OIL CONDITION

Visc @ 40°C	cSt	● 88.5	---	---	---
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CONTAMINATION

Water	%	● 0.179	---	---	---
Silicon	ppm	● 515	---	---	---
Sodium	ppm	● 30	---	---	---
Potassium	ppm	● 40	---	---	---



WEAR METALS

PQ		● 207	---	---	---
Iron	ppm	● 1860	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 6	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 147	---	---	---
Chromium	ppm	● 21	---	---	---
Molybdenum	ppm	● 1	---	---	---
Nickel	ppm	● 6	---	---	---
Titanium	ppm	● 10	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 22	---	---	---
Vanadium	ppm	● <1	---	---	---



ADDITIVES

Calcium	ppm	● 870	---	---	---
Magnesium	ppm	● 185	---	---	---
Zinc	ppm	● 42	---	---	---
Phosphorus	ppm	● 1299	---	---	---
Barium	ppm	● 24	---	---	---
Boron	ppm	● 239	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron and titanium ppm levels are abnormal. Aluminum ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The water content is negligible. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MOFMOF
 Unique No: 5618309
 Signed: Kevin Marson
 Report Date: 01 Aug 2023



GRAPHS

