

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 077068-1758 - Front Left Wheel Hub

Sample No: LH0290876

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0290876	---	---	---
Sample Date	13 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

Sintra Inc. (division Ouest)

9975 rue de Chateaufort, Local B

Brossard, QC

CA J4Z 3V6

Contact: Service Manager

jonathan.smith@sintra.ca

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F:



Oil Condition

Visc @ 40°C	cSt	● 192	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 32	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● 2	---	---	---



Wear Metals

PQ		691	---	---	---
Iron	ppm	● 567	---	---	---
Copper	ppm	● 162	---	---	---
Lead	ppm	● 4	---	---	---
Tin	ppm	● 11	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 10	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	34	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 6	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 40	---	---	---
Phosphorus	ppm	● 2232	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 3	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. Copper, nickel and tin ppm levels are abnormal. Bearing and/or bushing wear is indicated. We have assumed that this component is not breaking in (age of component not reported). There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SINBRO

Unique No: 5799623

Signed: Kevin Marson

Report Date: 17 Jun 2024



Graphs

