

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 077068-1758 - Rear Differential

Sample No: LH0290873

Oil Type: GEAR OIL SAE 80W90



Sintra Inc. (division Ouest)
 9975 rue de Chateaufort, Local B
 Brossard, QC
 CA J4Z 3V6
 Contact: Service Manager
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 T:
 F:



Sample Information

Sample Number	LH0290873	---	---	---
Sample Date	13 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



Oil Condition

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

Water	%	NEG	---	---	---
Silicon	ppm	● 31	---	---	---
Sodium	ppm	● 6	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 444	---	---	---
Copper	ppm	● 159	---	---	---
Lead	ppm	● 3	---	---	---
Tin	ppm	● 11	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 8	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	32	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 8	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 42	---	---	---
Phosphorus	ppm	● 2197	---	---	---
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 severe. Thrust washer and/or bearing/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: 5799601
Signed: Kevin Marson
Report Date: 17 Jun 2024



Graphs

