

LIEBHERR

CONSTRUCTION EQUIPMENT



NO UNIT LH0285050 - Differential

Sample No: LH0285050
 Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0285050	---	---	---
Sample Date	29 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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 1015 SUTTON DRIVE
 BURLINGTON, ON
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OIL CONDITION

Visc @ 40°C	cSt	● 102	---	---	---
Visc @ 100°C	cSt	● 15.3	---	---	---
Viscosity Index (VI)	Scale	● 158	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 2018	---	---	---
Copper	ppm	● 126	---	---	---
Lead	ppm	● 7	---	---	---
Tin	ppm	● 6	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 21	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 19	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 15	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 46	---	---	---
Phosphorus	ppm	● 1205	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 164	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. 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 75W90. Please confirm. Please specify the component make and model with your next sample. Iron ppm levels are severe. Chromium ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. Moderate concentration of visible dirt/debris present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS
 Unique No: 5721231
 Signed: Bill Quesnel
 Report Date: 05 Feb 2024



GRAPHS

