

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 067666-1760 - Splitter Box

Sample No: LH0233938

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0233938	LH0176022	LH0234004	---
Sample Date	22 Jan 2024	02 Aug 2023	15 Dec 2022	---
Machine Hours	5478	1520	1018	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	NORMAL	NORMAL	---

WEST CARLETON SAND & GRAVEL INC.
 3232 CARP ROAD
 CARP, ON
 CA K0A 1L0
 Contact: Troy Whalen
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 T: (613)836-3090
 F:



OIL CONDITION

Visc @ 40°C	cSt	104	101	164	---
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CONTAMINATION

Water	%	1.750	NEG	NEG	---
Silicon	ppm	4	2	4	---
Sodium	ppm	3	2	6	---
Potassium	ppm	2	<1	1	---



WEAR METALS

PQ		1	---	0	---
Iron	ppm	1443	54	101	---
Copper	ppm	496	2	1	---
Lead	ppm	12	0	<1	---
Tin	ppm	1	0	0	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	8	<1	<1	---
Molybdenum	ppm	0	<1	1	---
Nickel	ppm	<1	<1	3	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	9	<1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	15	14	27	---
Magnesium	ppm	1	4	10	---
Zinc	ppm	67	21	60	---
Phosphorus	ppm	1424	1361	1850	---
Barium	ppm	0	4	24	---
Boron	ppm	166	257	10	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper and iron ppm levels are severe. Chromium ppm levels are abnormal. Lead ppm levels are noted. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a high concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: WES654STI
 Unique No: 5723206
 Signed: Kevin Marson
 Report Date: 08 Feb 2024



GRAPHS

