

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 067666-1760 - Front Left Wheel Hub

Sample No: LH0233940

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0233940	LH0233995	---	---
Sample Date	22 Jan 2024	15 Dec 2022	---	---
Machine Hours	5478	1018	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	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	75.0	193	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	5	27	---	---
Sodium	ppm	5	8	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	130	242	---	---
Copper	ppm	150	179	---	---
Lead	ppm	4	4	---	---
Tin	ppm	10	12	---	---
Aluminum	ppm	<1	3	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	53	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	511	11	---	---
Magnesium	ppm	5	2	---	---
Zinc	ppm	230	154	---	---
Phosphorus	ppm	1040	2269	---	---
Barium	ppm	8	0	---	---
Boron	ppm	128	2	---	---

Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Light concentration of visible metal present. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: WES654STI
Unique No: 5723204
Signed: Kevin Marson
Report Date: 09 Feb 2024



GRAPHS

