

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 067666-1760 - Front Right Wheel Hub

Sample No: LH0233941

Oil Type: GEAR OIL SAE 75W90



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



SAMPLE INFORMATION

Sample Number	LH0233941	LH0233996	---	---
Sample Date	22 Jan 2024	15 Dec 2022	---	---
Machine Hours	5478	1018	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	78.7	192	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	4	27	---	---
Sodium	ppm	5	8	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	160	242	---	---
Copper	ppm	218	177	---	---
Lead	ppm	5	4	---	---
Tin	ppm	14	12	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	53	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	447	12	---	---
Magnesium	ppm	5	2	---	---
Zinc	ppm	192	156	---	---
Phosphorus	ppm	1075	2276	---	---
Barium	ppm	7	0	---	---
Boron	ppm	136	2	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Lead and tin ppm levels are marginal. Bearing and/or bushing wear is indicated. 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: WES654STI
 Unique No: 5723200
 Signed: Kevin Marson
 Report Date: 08 Feb 2024



GRAPHS

