

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 069050-1760 - Rear Left Wheel Hub

Sample No: LH0240413

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0240413	LH0240391	LH0240380	---
Sample Date	15 Sep 2023	04 Mar 2023	13 Dec 2022	---
Machine Hours	4000	2000	1005	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

**PRODUITS FORESTIERS D.G. LTEE**  
 313 RANG ST-JOSEPH  
 STE-AURELIE, QC  
 CA G0M 1M0  
 Contact: Roger .



#### OIL CONDITION

Visc @ 40°C	cSt	184	183	193	---
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T: (418)593-3547  
 F: (418)593-3633



#### CONTAMINATION

Silicon	ppm	11	6	29	---
Sodium	ppm	3	<1	6	---
Potassium	ppm	<1	<1	2	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	145	49	251	---
Copper	ppm	99	74	204	---
Lead	ppm	2	2	6	---
Tin	ppm	9	4	13	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	7	6	58	---
Vanadium	ppm	0	0	<1	---



#### ADDITIVES

Calcium	ppm	14	6	8	---
Magnesium	ppm	12	3	2	---
Zinc	ppm	157	25	63	---
Phosphorus	ppm	2447	2535	2323	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	2	---

Depot: PRO9STE  
 Unique No: 5645582  
 Signed: Bill Quesnel  
 Report Date: 22 Sep 2023



### GRAPHS

