

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(368069)] LIEBHERR L580 066027-1760 - Front Differential

Sample No: LH0225605

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0225605	LH0224765	LH0225594	LH0225583
Sample Date	11 Jul 2023	01 May 2023	17 Mar 2023	09 Sep 2022
Machine Hours	2652	2191	1969	962
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**GENERAL RECYCLING INDUSTRIES LTD.**  
 4120 - 84 AVENUE  
 EDMONTON, AB  
 CA T6B 3H3  
 Contact: Corey MacKay  
 cmackay@trailco.ca  
 T: (587)926-1610  
 F: (780)485-4294



#### OIL CONDITION

Visc @ 40°C	cSt	148	84.4	87.6	195
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#### CONTAMINATION

Silicon	ppm	3	2	3	13
Sodium	ppm	2	1	2	5
Potassium	ppm	<1	0	1	<1



#### WEAR METALS

Iron	ppm	28	15	30	52
Copper	ppm	7	4	18	79
Lead	ppm	0	<1	<1	2
Tin	ppm	<1	<1	1	3
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	2	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	4	1	4	18
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	12	16	41	11
Magnesium	ppm	3	8	18	2
Zinc	ppm	16	36	64	25
Phosphorus	ppm	2174	1232	1194	2371
Barium	ppm	0	0	0	0
Boron	ppm	28	118	102	2

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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.

**Depot:** GEN156EDM  
**Unique No:** 5629975  
**Signed:** Wes Davis  
**Report Date:** 18 Aug 2023



### GRAPHS

