

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0225616

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0225616	LH0225605	LH0224765	LH0225594
Sample Date	23 Oct 2023	11 Jul 2023	01 May 2023	17 Mar 2023
Machine Hours	3146	2652	2191	1969
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**GENERAL RECYCLING INDUSTRIES LTD.**  
 4120 - 84 AVENUE NW  
 EDMONTON, AB  
 CA T6B 3H3  
 Contact: Corey MacKay  
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#### Oil Condition

Visc @ 40°C	cSt	148	148	84.4	87.6



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	3	2	3
Sodium	ppm	1	2	1	2
Potassium	ppm	<1	<1	0	1



#### Wear Metals

Iron	ppm	14	28	15	30
Copper	ppm	5	7	4	18
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	1
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	<1	<1	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	4	1	4
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	15	12	16	41
Magnesium	ppm	2	3	8	18
Zinc	ppm	19	16	36	64
Phosphorus	ppm	2136	2174	1232	1194
Barium	ppm	0	0	0	0
Boron	ppm	26	28	118	102

#### 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.

**Depot:** GEN156EDM  
**Unique No:** 5776501  
**Signed:** Wes Davis  
**Report Date:** 14 May 2024



### Graphs

