

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0225606  
 Oil Type: GEAR OIL SAE 80



#### Sample Information

Sample Number	LH0225606	LH0224763	LH0225595	LH0225584
Sample Date	13 Oct 2023	25 Apr 2023	17 Mar 2023	06 Oct 2022
Machine Hours	3146	2191	1969	1137
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 NW  
 EDMONTON, AB  
 CA T6B 3H3  
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#### Oil Condition

Visc @ 40°C	cSt	148	84.5	87.6	195



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	3	15
Sodium	ppm	1	<1	1	6
Potassium	ppm	0	<1	<1	<1

#### 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	15	9	25	66
Copper	ppm	8	4	18	87
Lead	ppm	0	<1	<1	2
Tin	ppm	<1	<1	1	4
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	2	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	1	4	22
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	10	17	40	10
Magnesium	ppm	2	9	18	2
Zinc	ppm	16	37	64	26
Phosphorus	ppm	2109	1208	1193	2377
Barium	ppm	0	0	0	0
Boron	ppm	26	120	101	2

Depot: GEN156EDM  
 Unique No: 5776502  
 Signed: Wes Davis  
 Report Date: 14 May 2024



### Graphs

