

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 071613-1760 - Rear Differential

Sample No: LH0292404

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0292404	LH0277088	---	---
Sample Date	22 Jun 2024	14 Oct 2023	---	---
Machine Hours	2202	1054	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

BIRCH HILL CONSTRUCTION
 11 MCELROY ST.
 MONCTON, NB
 CA E1C 9T2
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	● 185	● 194	---	---
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T:
F:



Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 10	● 20	---	---
Sodium	ppm	● 2	● 6	---	---
Potassium	ppm	● <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	● 102	● 179	---	---
Copper	ppm	● 47	● 143	---	---
Lead	ppm	● <1	● 4	---	---
Tin	ppm	● 4	● 7	---	---
Aluminum	ppm	● <1	● 1	---	---
Chromium	ppm	● 1	● 2	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	● 0	● 0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	19	43	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 6	● 11	---	---
Magnesium	ppm	● <1	● 1	---	---
Zinc	ppm	● 41	● 67	---	---
Phosphorus	ppm	● 2210	● 2265	---	---
Barium	ppm	● <1	● <1	---	---
Boron	ppm	● <1	● 1	---	---

Depot: BIRMION
 Unique No: 5802201
 Signed: Kevin Marson
 Report Date: 02 Jul 2024



Graphs

