

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 071183-1758 - Front Differential

Sample No: LH0251930

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0251930	LH0260617	---	---
Sample Date	29 Dec 2023	19 May 2023	---	---
Machine Hours	3102	1190	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

Abbycel Substrate Ltd.
 3545 Ross Road
 Abbotsford, BC
 CA V4X 1M6
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	● 188	● 181	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 5	● 24	---	---
Sodium	ppm	● 2	● 8	---	---
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	● 103	● 370	---	---
Copper	ppm	● 28	● 214	---	---
Lead	ppm	● <1	● 6	---	---
Tin	ppm	● 2	10	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● <1	● 3	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 2	● 11	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 6	42	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 6	● 143	---	---
Magnesium	ppm	● <1	● 2	---	---
Zinc	ppm	● 23	● 90	---	---
Phosphorus	ppm	● 2266	● 2414	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● <1	● 5	---	---

Depot: ABB354ABB
Unique No: 5708341
Signed: Kevin Marson
Report Date: 09 Jan 2024



GRAPHS

