

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Front Left Wheel Hub

Sample No: LH0278523

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0278523	LH	---	---
Sample Date	22 Dec 2023	15 Sep 2023	---	---
Machine Hours	7142	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Gerdau - Mandak Metal Processors Ltd.,
1 Railway St., P.O. Box 334
Selkirk, MB
CA R1A 2B3
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OIL CONDITION

Visc @ 40°C	cSt	182	183	---	---
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CONTAMINATION

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

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	38	20	---	---
Copper	ppm	4	5	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	4	6	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	5	11	---	---
Phosphorus	ppm	2347	2184	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	2	6	---	---

Depot: MANSEL
Unique No: 5720329
Signed: Wes Davis
Report Date: 25 Jan 2024



GRAPHS

