

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Front Right Wheel Hub

Sample No: LH0288159

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0288159	LH0278522	LH	---
Sample Date	25 Apr 2024	22 Dec 2023	15 Sep 2023	---
Machine Hours	9033	7142	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St., P.O. Box 334
 Selkirk, MB
 CA R1A 2B3
 Contact: Santiago Giraldo
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Oil Condition

Visc @ 40°C	cSt	179	185	184	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	0	2	3	---
Sodium	ppm	<1	2	2	---
Potassium	ppm	<1	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	23	37	20	---
Copper	ppm	4	4	5	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	1	2	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	2	5	7	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	4	6	11	---
Phosphorus	ppm	2314	2317	2195	---
Barium	ppm	0	0	<1	---
Boron	ppm	4	2	6	---

Depot: MANSEL
 Unique No: 5774433
 Signed: Wes Davis
 Report Date: 03 May 2024



Graphs

