

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Front Left Wheel Hub

Sample No: LH0288160

Oil Type: LIEBHERR GEAR BASIC 90 LS



Gerdau - Mandak Metal Processors Ltd.,
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 Selkirk, MB
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Sample Information

Sample Number	LH0288160	LH0278523	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	---



Oil Condition

Visc @ 40°C	cSt	180	182	183	---
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Contamination

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



Wear Metals

Iron	ppm	22	38	20	---
Copper	ppm	5	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	4	6	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	4	5	11	---
Phosphorus	ppm	2293	2347	2184	---
Barium	ppm	0	0	<1	---
Boron	ppm	4	2	6	---

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.

Depot: MANSEL
 Unique No: 5774435
 Signed: Wes Davis
 Report Date: 03 May 2024



Graphs

