

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C934 - Splitter Box

Sample No: LH0242788

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0242788	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St., P.O. Box 334
 Selkirk, MB
 CA R1A 2B3
 Contact: Santiago Giraldo
 santiago.giraldo@gerdau.com
 T:
 F: (204)482-8241



OIL CONDITION

Visc @ 40°C	cSt	● 89.7	---	---	---
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CONTAMINATION

Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 9	---	---	---



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 121	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 15	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 24	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	382	---	---	---
Phosphorus	ppm	1037	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	105	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MANSEL
Unique No: 5631936
Signed: Kevin Marson
Report Date: 29 Aug 2023



GRAPHS

