

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144842-1216 - Transmission (Manual)

Sample No: LH0270193

Oil Type: GEAR OIL SAE 80W90



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270193	LH0274760	LH0251809	---
Date d'échant.	27 Feb 2024	23 Aug 2023	09 Mar 2023	---
Heures de la Machine	2406	1252	561	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Changed	---
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	---

**American Iron and Metal**  
140 DOWTY ROAD  
AJAX, ON  
CA L1S 1P7  
Contact: Service Manager



#### ÉTAT D'HUILE

Visc 40°C	cSt	55.1	51.2	173	---
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T:  
F:



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	---
Silicium	ppm	3	3	2	---
Sodium	ppm	19	35	3	---
Potassium	ppm	1	3	1	---

#### Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.



#### MÉTAUX D'USURE

PQ		---	---	226	---
Fer	ppm	14	20	269	---
Cuivre	ppm	20	31	32	---
Plomb	ppm	<1	10	2	---
Étain	ppm	<1	1	1	---
Aluminium	ppm	2	4	0	---
Chrome	ppm	0	<1	2	---
Molybdène	ppm	40	26	0	---
Nickel	ppm	0	<1	<1	---
Titane	ppm	0	0	0	---
Argent	ppm	0	0	0	---
Manganèse	ppm	15	21	3	---
Vanadium	ppm	0	0	0	---



#### ADDITIFS

Calcium	ppm	1679	2294	15	---
Magnésium	ppm	632	414	<1	---
Zinc	ppm	1098	1168	10	---
Phosphore	ppm	988	1129	2372	---
Baryum	ppm	<1	<1	4	---
Bore	ppm	5	7	18	---

**Depot:** AME140AJA  
**Unique No:** 5735870  
**Signed:** Kevin Marson  
**Report Date:** 29 Feb 2024



### GRAPHS

