

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(344091)] LIEBHERR LH40M120553-1215 - Transmission (Ma

Sample No: LH0193878

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH0193878	LH0193864	LH0193850	---
Sample Date	13 Feb 2024	21 Feb 2023	11 Oct 2021	---
Machine Hours	4086	2835	1021	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

**Goodies Trading Ltd.**  
8150 Aitken Road  
Chilliwack, BC  
CA V2R 4H5  
Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	50.2	50.2	47.0	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	4	2	---
Sodium	ppm	17	29	44	---
Potassium	ppm	2	2	4	---

#### Diagnosis

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 10W range, advise investigate. The condition of the fluid is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	30	38	19	---
Copper	ppm	26	33	29	---
Lead	ppm	<1	1	1	---
Tin	ppm	<1	1	<1	---
Aluminum	ppm	2	2	3	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	43	26	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	6	11	10	---
Vanadium	ppm	0	<1	<1	---



#### ADDITIVES

Calcium	ppm	1811	2483	3245	---
Magnesium	ppm	696	415	7	---
Zinc	ppm	1205	1185	1141	---
Phosphorus	ppm	1122	1182	1123	---
Barium	ppm	<1	<1	1	---
Boron	ppm	4	4	4	---

**Depot:** GOOCHI  
**Unique No:** 5733416  
**Signed:** Kevin Marson  
**Report Date:** 16 Feb 2024



### GRAPHS

