

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(344091)] LIEBHERR LH40M 120553-1215 - Rear Differential

Sample No: LH0193887

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0193887	LH0193859	LH0193845	---
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	NORMAL	NORMAL	NORMAL	---

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



#### OIL CONDITION

Visc @ 40°C	cSt	165	99.9	101	---
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T:  
F:



#### CONTAMINATION

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

#### Diagnosis

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 oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	65	37	14	---
Copper	ppm	25	85	32	---
Lead	ppm	1	3	1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	2	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	7	11	36	---
Magnesium	ppm	<1	<1	1	---
Zinc	ppm	21	48	28	---
Phosphorus	ppm	2176	1367	1364	---
Barium	ppm	0	0	<1	---
Boron	ppm	36	317	245	---

**Depot:** GOOCHI  
**Unique No:** 5733509  
**Signed:** Wes Davis  
**Report Date:** 16 Feb 2024



### GRAPHS

