

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 144578-1253 - Rear Left Wheel Hub

Sample No: LH0278619

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0278619	LH0250050	---	---
Sample Date	15 Jan 2024	22 Mar 2023	---	---
Machine Hours	1200	498	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	176	64.8	---	---
-------------	-----	-----	------	-----	-----

T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	8	---	---
Sodium	ppm	4	17	---	---
Potassium	ppm	0	1	---	---

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. Viscosity of sample indicates oil is within SAE 90 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 oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	20	10	---	---
Copper	ppm	2	3	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	381	1948	---	---
Magnesium	ppm	2	11	---	---
Zinc	ppm	155	1240	---	---
Phosphorus	ppm	2202	1168	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	8	94	---	---

Depot: IND550WIN
Unique No: 5710154
Signed: Kevin Marson
Report Date: 17 Jan 2024



GRAPHS

