

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 146308-1215 - Front Left Wheel Hub

Sample No: LH0281093

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



RICHMOND STEEL RECYCLING
 955 ORD ROAD
 KAMLOOPS, BC
 CA V2B 7B5
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0281093	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	511	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 131	---	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 23	---	---	---
Potassium	ppm	● 5	---	---	---

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

PQ		● 8	---	---	---
Iron	ppm	● 687	---	---	---
Copper	ppm	● 56	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 8	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	34	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 72	---	---	---
Phosphorus	ppm	● 1431	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	47	---	---	---

Depot: RIC955KAM
 Unique No: 5708350
 Signed: Kevin Marson
 Report Date: 09 Jan 2024



GRAPHS

