

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 146308-1215 - Front Right Wheel Hub

Sample No: LH0281094

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	LH0281094	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	511	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 129	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 21	---	---	---
Potassium	ppm	● 3	---	---	---



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 651	---	---	---
Copper	ppm	● 51	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 8	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	25	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 68	---	---	---
Phosphorus	ppm	● 1405	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	24	---	---	---

T:
F:

Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: RIC955KAM
 Unique No: 5708354
 Signed: Kevin Marson
 Report Date: 09 Jan 2024



GRAPHS

