

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 142743-1217 - Front Differential

Sample No: LH0249557

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



RICHMOND STEEL RECYCLING
 11760 MITCHELL ROAD
 RICHMOND, BC
 CA V6V 1V8
 Contact: Aaron Kaetler
 AKaetler@richmondsteel.ca
 T:
 F: (604)324-8617



SAMPLE INFORMATION

Sample Number	LH0249557	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	1065	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	184	---	---	---
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Silicon	ppm	3	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	8	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	8	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	9	---	---	---
Phosphorus	ppm	1183	---	---	---
Barium	ppm	339	---	---	---
Boron	ppm	2	---	---	---

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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RIC117RIC
 Unique No: 5617514
 Signed: Wes Davis
 Report Date: 26 Jul 2023



GRAPHS

