

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 142743-1217 - Swing Drive

Sample No: LH0249562

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	LH0249562	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	1065	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	168	---	---	---
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#### CONTAMINATION

Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 3	---	---	---



#### WEAR METALS

Iron	ppm	● 201	---	---	---
Copper	ppm	● 22	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 19	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 16	---	---	---
Phosphorus	ppm	2225	---	---	---
Barium	ppm	● 4	---	---	---
Boron	ppm	15	---	---	---

#### 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: 5617512  
 Signed: Wes Davis  
 Report Date: 26 Jul 2023



### GRAPHS

