

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 142743-1217 - Diesel Engine

Sample No: LH0249559

Oil Type: DIESEL ENGINE OIL SAE 10W30



**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	LH0249559	LH0249556	---	---
Sample Date	12 Jul 2023	13 Apr 2023	---	---
Machine Hours	1065	530	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.1	11.6	---	---
Oxidation (PA)	%	85	201	---	---



#### CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	74	108	---	---
Sulfation (PA)	%	62	109	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	10	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	<1	3	---	---



#### WEAR METALS

Iron	ppm	6	11	---	---
Copper	ppm	62	265	---	---
Lead	ppm	3	11	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	54	41	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1039	1341	---	---
Magnesium	ppm	933	908	---	---
Zinc	ppm	1058	824	---	---
Phosphorus	ppm	893	728	---	---
Barium	ppm	6	40	---	---
Boron	ppm	7	76	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RIC117RIC  
 Unique No: 5617179  
 Signed: Wes Davis  
 Report Date: 26 Jul 2023



### GRAPHS

