

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 145585-1217 - Diesel Engine

Sample No: LH0288054

Oil Type: PETRO CANADA 10W40



**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	LH0288054	LH0259480	---	---
Sample Date	17 Apr 2024	23 Aug 2023	---	---
Machine Hours	2700	1112	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### Oil Condition

Visc @ 100°C	cSt	12.8	12.6	---	---
Oxidation (PA)	%	71	65	---	---



#### Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	79	60	---	---
Sulfation (PA)	%	54	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	6	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	1	<1	---	---



#### Wear Metals

Iron	ppm	5	4	---	---
Copper	ppm	2	21	---	---
Lead	ppm	0	1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	58	55	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	1046	1020	---	---
Magnesium	ppm	962	947	---	---
Zinc	ppm	1178	1145	---	---
Phosphorus	ppm	973	1018	---	---
Barium	ppm	<1	2	---	---
Boron	ppm	2	5	---	---

#### 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: 5763634  
 Signed: Wes Davis  
 Report Date: 22 Apr 2024



### Graphs

