

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 150728-1216 - Diesel Engine

Sample No: LH0271874

Oil Type: PETRO CANADA DURON UHP E6 10W40



**ABC RECYCLING**  
 750C JACKSON RD  
 NANAIMO, BC  
 CA V9X 1J2  
 Contact: Jordie Richmond  
 jordie.richmond@abcrecycling.com  
 T: (250)202-8235  
 F:



#### Sample Information

Sample Number	LH0271874	LH0271865	LH0271862	---
Sample Date	26 Apr 2024	09 Feb 2024	06 Nov 2023	---
Machine Hours	1514	1066	500	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	MARGINAL	---



#### Oil Condition

Visc @ 100°C	cSt	13.1	12.7	11.9	---
Oxidation (PA)	%	69	81	194	---



#### Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	65	73	96	---
Sulfation (PA)	%	56	60	107	---
Glycol	%	NEG	0.0	NEG	---
Fuel	%	<1.0	<1.0	2.5	---
Silicon	ppm	6	5	8	---
Sodium	ppm	2	2	2	---
Potassium	ppm	2	1	2	---



#### Wear Metals

Iron	ppm	3	4	8	---
Copper	ppm	70	319	262	---
Lead	ppm	2	8	8	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	3	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	59	57	46	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	1054	1055	1296	---
Magnesium	ppm	978	948	915	---
Zinc	ppm	1189	1167	869	---
Phosphorus	ppm	991	976	740	---
Barium	ppm	<1	4	39	---
Boron	ppm	1	4	68	---

#### 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: ABCNAN  
 Unique No: 5774601  
 Signed: Wes Davis  
 Report Date: 06 May 2024



### Graphs

