

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 141511-1217 - Diesel Engine

Sample No: LH0246254

Oil Type: PETRO CANADA DURON UHP 10W40



**Radius Recycling Canada Ltd.**  
 12195 Musqueam Dr.  
 Surrey, BC  
 CA V3V 3T2  
 Contact: Shane Brown  
 sbrown@amix.ca  
 T: (604)823-6990  
 F: (604)823-6913



#### SAMPLE INFORMATION

Sample Number	LH0246254	LH0246923	LH0246251	---
Sample Date	08 Sep 2023	16 Feb 2023	02 Feb 2023	---
Machine Hours	1531	575	510	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	MARGINAL	NORMAL	SEVERE	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	13.7	11.7	---
Oxidation (PA)	%	68	86	209	---



#### CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	71	57	104	---
Sulfation (PA)	%	53	68	113	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	2.6	0.9	8	---
Silicon	ppm	3	8	8	---
Sodium	ppm	2	1	3	---
Potassium	ppm	0	<1	2	---



#### WEAR METALS

Iron	ppm	6	4	12	---
Copper	ppm	4	43	188	---
Lead	ppm	<1	2	7	---
Tin	ppm	<1	<1	1	---
Aluminum	ppm	1	1	2	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	58	55	45	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	1052	1158	1457	---
Magnesium	ppm	970	945	875	---
Zinc	ppm	1169	1078	829	---
Phosphorus	ppm	981	999	726	---
Barium	ppm	<1	8	42	---
Boron	ppm	2	15	77	---

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: AMISUR  
 Unique No: 5658626  
 Signed: Wes Davis  
 Report Date: 18 Oct 2023



### GRAPHS

