# **CONSTRUCTION EQUIPMENT**

# LIEBHERR LH60M 141511-1217 - Diesel Engine

PETRO CANADA DURON UHP 10W40

Sample No: LH0246265

Oil Type:

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## Sample Information

- Samp	ole informe	ΠΟΠ			
Sample Number		LH0246265	LH0246254	LH0246923	LH0246251
Sample Date		15 Apr 2024	08 Sep 2023	16 Feb 2023	02 Feb 2023
Machine Hours		2560	1531	575	510
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	MARGINAL	NORMAL	SEVERE
<b>Oil Co</b>	ndition				
Visc @ 100°C	cSt	<b>13.0</b>	0 12.6	0 13.7	0 11.7
Oxidation (PA)	%	72	68	86	209
	mination				

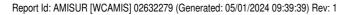
Water	%	NEG	NEG	NEG	NEG	
Soot %	%	0	0	0	0	
Nitration (PA)	%	77	71	57	104	
Sulfation (PA)	%	54	53	68	113	
Glycol	%	NEG	NEG	NEG	NEG	
Fuel	%	0 1.2	2.6	0.9	8	
Silicon	ppm	02	3	8	8 🔘	
Sodium	ppm	0 2	0 2	01	3	
Potassium	ppm	0	0	◯ <1	2	

Wee Wee	ar Metals	5			
Iron	ppm	<b>5</b>	6	04	0 12
Copper	ppm	0 2	0 4	◯ 43	188
_ead	ppm	0	◯ <1	02	07
Гin	ppm	0 (	◯ <1	◯ <1	0 1
Aluminum	ppm	01	0 1	0 1	2
Chromium	ppm	0	◯ <1	0	◯ <1
Nolybdenum	ppm	0 59	58	55	0 45
Vickel	ppm	<b>○</b> <1	◯ <1	◯ <1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	◯ <1	0	0
Manganese	ppm	0	0	◯ <1	◯ <1
Vanadium	ppm	0	0	0	0

Additives						
Calcium	ppm	0 1095	0 1052	0 1158	1457	
Magnesium	ppm	978	970	945	875	
Zinc	ppm	0 1197	0 1169	0 1078	829	
Phosphorus	ppm	0 1016	981	● 999	726	
Barium	ppm	<b>○</b> <1	○ <1	8	42	
Boron	ppm	<b>1</b>	2	0 15	○ 77	

Depot: Unique No: Signed: Report Date:

#### AMISUR 5773432 Wes Davis 01 May 2024 Submitted By: ?





#### Radius Recycling Canada Ltd.

12195 Musqueam Dr. Surrey, BC CA V3V 3T2 Contact: Chris Trinkunas ctrinkunas@rdus.com T: F: (604)580-1922

## 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.





Graphs

