

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A914 115625-1507 - Diesel Engine

Sample No: LH0250433

Oil Type: PETRO CANADA DURON UHP 5W30



**DECLAN KELLY EXCAVATIONS**  
 41 DONNA STREET  
 NEPEAN, ON  
 CA K2G 2V5  
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 T:  
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#### SAMPLE INFORMATION

Sample Number	LH0250433	LH0195703	---	---
Sample Date	31 Mar 2024	27 Sep 2021	---	---
Machine Hours	8962	2021	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	10.4	11.9	---	---
Oxidation (PA)	%	57	155	---	---



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	66	92	---	---
Sulfation (PA)	%	50	94	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.0	---	---
Silicon	ppm	2	48	---	---
Sodium	ppm	<1	6	---	---
Potassium	ppm	2	2	---	---



#### WEAR METALS

Iron	ppm	3	52	---	---
Copper	ppm	<1	71	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	0	2	---	---
Molybdenum	ppm	8	37	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1979	1737	---	---
Magnesium	ppm	133	715	---	---
Zinc	ppm	988	937	---	---
Phosphorus	ppm	843	764	---	---
Barium	ppm	0	7	---	---
Boron	ppm	2	50	---	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: DECNEP  
 Unique No: 5750628  
 Signed: Wes Davis  
 Report Date: 01 Apr 2024



### GRAPHS

