

LIEBHERR

CONSTRUCTION EQUIPMENT



[(345484)] LIEBHERR R914 050032-1511 - Diesel Engine

Sample No: LH
Oil Type: SAE 5W30



ROLAND MUNGER
2665 AVENUE DU LABRADOR
BAIE COMEAU, QC
CA G4Z 3B9
Contact: Roland Munger

T: (661)015-6791
F:

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.



Sample Information

Sample Number	LH	LH0279201	---	---
Sample Date	18 Apr 2024	19 Mar 2024	---	---
Machine Hours	1761	1426	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 100°C	cSt	11.8	11.9	---	---
Oxidation (PA)	%	68	75	---	---



Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0	0.1	---	---
Nitration (PA)	%	68	87	---	---
Sulfation (PA)	%	54	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	8	---	---
Sodium	ppm	5	7	---	---
Potassium	ppm	1	2	---	---



Wear Metals

Iron	ppm	15	42	---	---
Copper	ppm	2	9	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	7	---	---
Chromium	ppm	2	5	---	---
Molybdenum	ppm	59	52	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	856	997	---	---
Magnesium	ppm	1126	1021	---	---
Zinc	ppm	1181	1152	---	---
Phosphorus	ppm	989	893	---	---
Barium	ppm	0	0	---	---
Boron	ppm	41	14	---	---

Depot: ROLBAI
Unique No: 5774136
Signed: Kevin Marson
Report Date: 03 May 2024



Graphs

