

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R924 041668-1318 - Splitter Box

Sample No: LH0135468

Oil Type: PETRO CANADA 85W90



#### SAMPLE INFORMATION

Sample Number	LH0135468	LH	LH	LH
Sample Date	26 Sep 2023	21 Dec 2022	21 Jan 2021	16 Aug 2020
Machine Hours	3700	3256	2000	1677
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	SEVERE	NORMAL	NORMAL

#### Norstone Excavating

2239 - 165 Street

Surrey, BC

CA V3Z 0L8

Contact: Gerrard White

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#### OIL CONDITION

Visc @ 40°C	cSt	164	171	171	96.0
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#### CONTAMINATION

Silicon	ppm	4	4	2	5
Sodium	ppm	3	6	4	2
Potassium	ppm	<1	<1	1	1



#### WEAR METALS

PQ		0	11	0	---
Iron	ppm	153	932	118	86
Copper	ppm	<1	320	<1	2
Lead	ppm	0	8	<1	<1
Tin	ppm	0	72	0	<1
Aluminum	ppm	1	1	<1	<1
Chromium	ppm	<1	7	<1	<1
Molybdenum	ppm	0	1	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	1	8	1	3
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	20	21	11	47
Magnesium	ppm	2	4	2	6
Zinc	ppm	33	87	19	31
Phosphorus	ppm	2077	2179	2015	1251
Barium	ppm	<1	0	0	0
Boron	ppm	54	36	58	184

#### 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: NORSUR

Unique No: 5656345

Signed: Kevin Marson

Report Date: 06 Oct 2023



### GRAPHS

