

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L526 71329 - Diesel Engine

Sample No: LH0276153

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0276153	LH0270422	---	---
Sample Date	27 Nov 2023	17 Sep 2023	---	---
Machine Hours	1607	1122	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE  
BURLINGTON, ON  
CA L7L 5Z8

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#### OIL CONDITION

Visc @ 100°C	cSt	13.9	13.6	---	---
Oxidation (PA)	%	62	66	---	---



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.4	---	---
Nitration (PA)	%	58	65	---	---
Sulfation (PA)	%	53	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	6	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	1	<1	---	---

#### 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.



#### WEAR METALS

Iron	ppm	11	21	---	---
Copper	ppm	2	9	---	---
Lead	ppm	2	6	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	46	67	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1310	1059	---	---
Magnesium	ppm	737	955	---	---
Zinc	ppm	1124	1159	---	---
Phosphorus	ppm	953	996	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	33	8	---	---

Depot: LIEMIS  
Unique No: 5684493  
Signed: Wes Davis  
Report Date: 29 Nov 2023



### GRAPHS

