

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 73936 - Diesel Engine

Sample No: LH0278691

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0278691	LH0277489	LH0274637	---
Sample Date	03 Mar 2024	23 Oct 2023	16 Aug 2023	---
Machine Hours	2179	1007	530	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE  
BURLINGTON, ON  
CA L7L 5Z8

Contact: Steve Lehto  
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#### OIL CONDITION

Visc @ 100°C	cSt	12.8	13.1	12.1	---
Oxidation (PA)	%	67	73	195	---



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	68	59	94	---
Sulfation (PA)	%	53	57	109	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	1.3	---
Silicon	ppm	7	7	9	---
Sodium	ppm	2	2	3	---
Potassium	ppm	4	<1	4	---

#### 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	6	6	10	---
Copper	ppm	6	154	273	---
Lead	ppm	<1	5	10	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	58	44	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	0	0	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	1027	1108	1360	---
Magnesium	ppm	981	963	914	---
Zinc	ppm	1179	1169	880	---
Phosphorus	ppm	1004	971	785	---
Barium	ppm	0	4	24	---
Boron	ppm	12	10	85	---

Depot: LIEMIS  
Unique No: 5736632  
Signed: Wes Davis  
Report Date: 04 Mar 2024



### GRAPHS

