

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 73936 - Diesel Engine

Sample No: LH0274637

Oil Type: DIESEL ENGINE OIL SAE 40



SAMPLE INFORMATION

Sample Number	LH0274637	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Rodgers
 joseph.rodgers@liebherr.com
 T: (905)319-9222
 F: (905)319-6622



OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Oxidation (PA)	%	195	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	94	---	---	---
Sulfation (PA)	%	109	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	273	---	---	---
Lead	ppm	10	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	44	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1360	---	---	---
Magnesium	ppm	914	---	---	---
Zinc	ppm	880	---	---	---
Phosphorus	ppm	785	---	---	---
Barium	ppm	24	---	---	---
Boron	ppm	85	---	---	---

Depot: LIEMIS
Unique No: 5629464
Signed: Kevin Marson
Report Date: 18 Aug 2023



GRAPHS

