

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 37429 - Diesel Engine

Sample No: LH0277650

Oil Type: DIESEL ENGINE OIL SAE 40



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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SAMPLE INFORMATION

Sample Number	LH0277650	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	6950	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.0	---	---	---
Oxidation (PA)	%	71	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	1	---	---	---



WEAR METALS

Iron	ppm	3	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	60	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1075	---	---	---
Magnesium	ppm	982	---	---	---
Zinc	ppm	1217	---	---	---
Phosphorus	ppm	990	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	3	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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: LIEMIS
 Unique No: 5657954
 Signed: Wes Davis
 Report Date: 13 Oct 2023



GRAPHS

