

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 147180 - Diesel Engine

Sample No: LH0287061

Oil Type: DIESEL ENGINE OIL SAE 40



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
 steve.lehto@liebherr.com
 T: (905)319-9222
 F: (905)319-6617



Sample Information

Sample Number	LH0287061	LH0274809	---	---
Sample Date	16 Apr 2024	04 Oct 2023	---	---
Machine Hours	1460	512	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 100°C	cSt	12.7	11.9	---	---
Oxidation (PA)	%	98	214	---	---



Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	89	104	---	---
Sulfation (PA)	%	66	114	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	1.3	---	---
Silicon	ppm	8	9	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	<1	2	---	---



Wear Metals

Iron	ppm	11	11	---	---
Copper	ppm	37	138	---	---
Lead	ppm	2	7	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	58	47	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	1104	1379	---	---
Magnesium	ppm	977	922	---	---
Zinc	ppm	1099	826	---	---
Phosphorus	ppm	855	663	---	---
Barium	ppm	4	36	---	---
Boron	ppm	5	69	---	---

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: 5762639
 Signed: Wes Davis
 Report Date: 17 Apr 2024



Graphs

