

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 138442 - Diesel Engine

Sample No: LH0281416

Oil Type: DIESEL ENGINE OIL SAE 30



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



SAMPLE INFORMATION

Sample Number	LH0281416	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	5641	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	58	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1157	---	---	---
Magnesium	ppm	950	---	---	---
Zinc	ppm	1218	---	---	---
Phosphorus	ppm	977	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	2	---	---	---

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 30. 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: 5694887
 Signed: Wes Davis
 Report Date: 08 Dec 2023



GRAPHS

