

LIEBHERR

CONSTRUCTION EQUIPMENT



2007048544 - Diesel Engine

Sample No: LH0270312

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0270312	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD. - REMAN
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Jeff Carter
 jeff.carter@liebherr.com
 T: (905)319-9222
 F: (905)319-6622



OIL CONDITION

Visc @ 100°C	cSt	13.0	---	---	---
Oxidation (PA)	%	49	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	20	---	---	---
Potassium	ppm	1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	9	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	60	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2117	---	---	---
Magnesium	ppm	807	---	---	---
Zinc	ppm	1337	---	---	---
Phosphorus	ppm	1148	---	---	---
Barium	ppm	39	---	---	---
Boron	ppm	66	---	---	---

Depot: REMAN
 Unique No: 5669957
 Signed: Wes Davis
 Report Date: 31 Oct 2023



GRAPHS

