

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### C20.16.90002 - Diesel Engine

Sample No: LH0276245

Oil Type: DIESEL ENGINE OIL SAE 40



#### Sample Information

Sample Number	LH0276245	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**LIEBHERR CANADA LTD. - REMAN**  
 1015 SUTTON DRIVE  
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#### Oil Condition

Visc @ 100°C	cSt	14.5	---	---	---
Oxidation (PA)	%	51	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	17	---	---	---
Sodium	ppm	1	---	---	---
Potassium	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 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.



#### Wear Metals

Iron	ppm	3	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	1977	---	---	---
Magnesium	ppm	104	---	---	---
Zinc	ppm	994	---	---	---
Phosphorus	ppm	854	---	---	---
Barium	ppm	18	---	---	---
Boron	ppm	14	---	---	---

Depot: REMAN  
 Unique No: 5774247  
 Signed: Wes Davis  
 Report Date: 03 May 2024



### Graphs

