

LIEBHERR

CONSTRUCTION EQUIPMENT



23422 - Diesel Engine

Sample No: LH0286664

Oil Type: DIESEL ENGINE OIL SAE 40



SAMPLE INFORMATION

Sample Number	LH0286664	---	---	---
Sample Date	18 Mar 2024	---	---	---
Machine Hours	993	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.

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BURLINGTON, ON
CA L7L 5Z8

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OIL CONDITION

Visc @ 100°C	cSt	13.2	---	---	---
Oxidation (PA)	%	64	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---

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.

Please specify the component make and model with your next sample. Metal levels are typical for a new component breaking in. 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	6	---	---	---
Copper	ppm	15	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	58	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1171	---	---	---
Magnesium	ppm	934	---	---	---
Zinc	ppm	1164	---	---	---
Phosphorus	ppm	1006	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	7	---	---	---

Depot: LIEMIS
Unique No: 5748131
Signed: Wes Davis
Report Date: 19 Mar 2024



GRAPHS

