

LIEBHERR

CONSTRUCTION EQUIPMENT



162923115 - Diesel Engine

Sample No: LH0276295

Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0276295	---	---	---
Sample Date	27 Mar 2024	---	---	---
Machine Hours	576	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Rodgers
 joseph.rodgers@liebherr.com
 T:
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OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Oxidation (PA)	%	70	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	17	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	4	---	---	---

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. 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	35	---	---	---
Copper	ppm	15	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	72	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2024	---	---	---
Magnesium	ppm	269	---	---	---
Zinc	ppm	970	---	---	---
Phosphorus	ppm	830	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	54	---	---	---

Depot: LIEMIS
 Unique No: 5750265
 Signed: Wes Davis
 Report Date: 28 Mar 2024



GRAPHS

