

LIEBHERR

CONSTRUCTION EQUIPMENT



0284073 - Diesel Engine

Sample No: LH0284073

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0284073	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Liebherr Canada

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 T:
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OIL CONDITION

Visc @ 100°C	cSt	● 11.9	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	● 1.2	---	---	---
Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Please specify the component make and model with your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 5	---	---	---
Copper	ppm	● 8	---	---	---
Lead	ppm	● 2	---	---	---
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	● 1138	---	---	---
Magnesium	ppm	● 954	---	---	---
Zinc	ppm	● 1169	---	---	---
Phosphorus	ppm	● 959	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 2	---	---	---

Depot: LIERIC
 Unique No: 5733288
 Signed: Wes Davis
 Report Date: 20 Feb 2024



GRAPHS

