

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8100 184920 - Diesel Engine

Sample No: LH0278985

Oil Type: NOT GIVEN



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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SAMPLE INFORMATION

Sample Number	LH0278985	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	15004	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Oxidation (PA)	%	92	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.9	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	66	---	---	---
Potassium	ppm	4	---	---	---



WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	12	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	63	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	835	---	---	---
Magnesium	ppm	1117	---	---	---
Zinc	ppm	1178	---	---	---
Phosphorus	ppm	947	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	16	---	---	---

Diagnosis

No corrective action is recommended at this time. 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. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5671999
 Signed: Bill Quesnel
 Report Date: 10 Nov 2023



GRAPHS

