

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8100 184974 - Diesel Engine

Sample No: LH0277600
 Oil Type: NOT GIVEN



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Rodgers
 joseph.rodgers@liebherr.com
 T: (905)319-9222
 F: (905)319-6622



SAMPLE INFORMATION

Sample Number	LH0277600	---	---	---
Sample Date	27 Oct 2023	---	---	---
Machine Hours	14493	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.2	---	---	---
Oxidation (PA)	%	119	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	121	---	---	---
Sulfation (PA)	%	76	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	644	---	---	---
Potassium	ppm	35	---	---	---



WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	76	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	839	---	---	---
Magnesium	ppm	1074	---	---	---
Zinc	ppm	1180	---	---	---
Phosphorus	ppm	909	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	11	---	---	---

Diagnosis

Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service (see recommendation).

Depot: LIEMIS
 Unique No: 5670254
 Signed: Kevin Marson
 Report Date: 02 Nov 2023



GRAPHS

