

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 74710 - Diesel Engine

Sample No: LH0270115

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0270115	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	430	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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



OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Oxidation (PA)	%	206	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	90	---	---	---
Sulfation (PA)	%	112	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---

Diagnosis

We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Light concentration of visible metal present. Light fuel dilution occurring. No other contaminants were detected in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	150	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1400	---	---	---
Magnesium	ppm	975	---	---	---
Zinc	ppm	893	---	---	---
Phosphorus	ppm	778	---	---	---
Barium	ppm	27	---	---	---
Boron	ppm	91	---	---	---

Depot: LIEMIS
Unique No: 5646221
Signed: Kevin Marson
Report Date: 27 Sep 2023



GRAPHS

