

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 065678-1826 - Diesel Engine

Sample No: LH0232592

Oil Type: PETRO CANADA 10W40



SAMPLE INFORMATION

Sample Number	LH0232592	LH	LH0235540	---
Sample Date	31 Jul 2023	26 Apr 2023	29 Aug 2022	---
Machine Hours	5914	3418	1292	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

BOIS LIB INC.
 275 RUE JEREMIE-PACAUD
 PRINCEVILLE, QC
 CA G6L 0A1
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	13.9	11.8	13.1	---
Oxidation (PA)	%	60	84	79	---

T:
F:



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	61	83	74	---
Sulfation (PA)	%	51	59	60	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	10	7	---
Sodium	ppm	2	5	2	---
Potassium	ppm	<1	<1	1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	4	8	7	---
Copper	ppm	3	8	226	---
Lead	ppm	<1	<1	6	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	56	64	56	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1004	992	1086	---
Magnesium	ppm	970	1221	953	---
Zinc	ppm	1173	1315	1143	---
Phosphorus	ppm	1043	1173	1011	---
Barium	ppm	0	0	2	---
Boron	ppm	2	29	5	---

Depot: LIBPRI
Unique No: 5643524
Signed: Wes Davis
Report Date: 14 Sep 2023



GRAPHS

