

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 065678-1826 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH	LH0232592	LH	LH0235540
Sample Date	20 Dec 2023	31 Jul 2023	26 Apr 2023	29 Aug 2022
Machine Hours	4739	5914	3418	1292
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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



#### OIL CONDITION

Visc @ 100°C	cSt	11.5	13.9	11.8	13.1
Oxidation (PA)	%	54	60	84	79

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	43	61	83	74
Sulfation (PA)	%	49	51	59	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	0.7	<1.0	<1.0	<1.0
Silicon	ppm	6	6	10	7
Sodium	ppm	<1	2	5	2
Potassium	ppm	<1	<1	<1	1

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	2	4	8	7
Copper	ppm	2	3	8	226
Lead	ppm	<1	<1	<1	6
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	58	56	64	56
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1030	1004	992	1086
Magnesium	ppm	961	970	1221	953
Zinc	ppm	1170	1173	1315	1143
Phosphorus	ppm	1037	1043	1173	1011
Barium	ppm	0	0	0	2
Boron	ppm	1	2	29	5

**Depot:** LIBPRI  
**Unique No:** 5697997  
**Signed:** Kevin Marson  
**Report Date:** 27 Dec 2023



### GRAPHS

