

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(336347)] LIEBHERR LH30C126039-1526 - Diesel Engine

Sample No: LH0188332

Oil Type: 49 NORTH SYN BLEND 15W40



#### SAMPLE INFORMATION

Sample Number	LH0188332	LH0188335	LH0188334	LH0188333
Sample Date	30 Jun 2023	25 May 2023	31 Mar 2023	02 Feb 2023
Machine Hours	5250	500	4753	500
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**National Salvage Ltd.**  
 206-33 Street N  
 Lethbridge, AB  
 CA T1H 3Z5  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	13.6	13.0	13.3	12.9
Oxidation (PA)	%	55	59	59	61

T:  
F:



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	46	58	53	58
Sulfation (PA)	%	50	51	59	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	1	<1	1	1
Potassium	ppm	0	<1	0	0

#### 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	2	3	2	2
Copper	ppm	1	3	1	2
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	2	1	1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	57	59	56	57
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1081	1093	1066	1077
Magnesium	ppm	946	964	919	949
Zinc	ppm	1184	1209	1156	1194
Phosphorus	ppm	1065	1093	1085	1099
Barium	ppm	0	0	0	0
Boron	ppm	2	3	3	3

**Depot:** NATLET  
**Unique No:** 5605230  
**Signed:** Wes Davis  
**Report Date:** 06 Jul 2023



### GRAPHS

