

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363880)] LIEBHERR L550 064917-1756 - Diesel Engine

Sample No: LH0261029

Oil Type: PETRO CANADA DURON UHP 5W30



#### SAMPLE INFORMATION

Sample Number	LH0261029	LH0250802	LH0235284	LH
Sample Date	15 Jun 2023	03 Feb 2023	14 Sep 2022	02 May 2022
Machine Hours	4922	4136	3114	0
Oil Hours	0	0	0	1986
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

**ARMAND DUHAMEL et FILS INC.**  
 778 RUE DE L' EGLISE  
 ST-IGNACE-STANDBRIDGE, QC  
 CA J0J 1Y0  
 Contact:



#### OIL CONDITION

Visc @ 100°C	cSt	11.6	12.2	11.2	11.6
Oxidation (PA)	%	80	71	105	78

T:  
F:



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	81	80	96	74
Sulfation (PA)	%	58	56	70	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.2	<1.0
Silicon	ppm	7	6	10	8
Sodium	ppm	4	2	6	4
Potassium	ppm	4	3	6	2

#### 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	6	5	14	4
Copper	ppm	6	12	100	83
Lead	ppm	<1	<1	3	3
Tin	ppm	<1	<1	1	<1
Aluminum	ppm	2	2	3	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	61	60	60	60
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	862	1103	881	834
Magnesium	ppm	1114	994	1158	1182
Zinc	ppm	1196	1191	1285	1269
Phosphorus	ppm	1060	1070	1084	1115
Barium	ppm	0	0	<1	<1
Boron	ppm	21	2	12	35

Depot: ARMSTI  
 Unique No: 5604255  
 Signed: Wes Davis  
 Report Date: 29 Jun 2023



### GRAPHS

