

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363880)] LIEBHERR L550 064917-1756 - Front Left Wheel H

Sample No: LH0261041

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0261041	LH0238873	LH0235313	LH
Sample Date	15 Jun 2023	10 Nov 2022	14 Sep 2022	03 May 2022
Machine Hours	4922	3599	3114	0
Oil Hours	0	0	0	1986
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	190	186	175	177
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T:
F:



CONTAMINATION

Silicon	ppm	5	3	9	6
Sodium	ppm	<1	1	2	1
Potassium	ppm	<1	0	0	<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	88	57	176	124
Copper	ppm	44	34	140	63
Lead	ppm	1	1	4	2
Tin	ppm	3	1	4	2
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	1	<1	3	3
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	2	2	7	5
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	5	4	22	20
Magnesium	ppm	<1	0	2	0
Zinc	ppm	17	10	47	15
Phosphorus	ppm	2362	2407	2351	2477
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	5	4

Depot: ARMSTI
 Unique No: 5604398
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

