

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0261040

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0261040	LH0235314	LH	LH0192313
Sample Date	15 Jun 2023	14 Sep 2022	02 May 2022	23 Mar 2022
Machine Hours	4922	3114	0	1589
Oil Hours	0	0	1986	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	SEVERE

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	175	175	196
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T:
F:



CONTAMINATION

Silicon	ppm	4	9	6	47
Sodium	ppm	<1	2	2	8
Potassium	ppm	<1	<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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

PQ		---	---	---	1008
Iron	ppm	62	179	119	1129
Copper	ppm	34	141	62	436
Lead	ppm	<1	4	2	11
Tin	ppm	2	4	2	25
Aluminum	ppm	<1	<1	<1	3
Chromium	ppm	<1	<1	<1	6
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	3	2	26
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	7	5	47
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	22	20	12
Magnesium	ppm	<1	1	<1	1
Zinc	ppm	16	45	15	92
Phosphorus	ppm	2357	2342	2473	2381
Barium	ppm	0	0	0	0
Boron	ppm	2	5	4	3

Depot: ARMSTI
 Unique No: 5604397
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

