

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0261013

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0261013	LH0235312	LH	LH0227243
Sample Date	15 Jun 2023	14 Sep 2022	03 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	NORMAL	NORMAL	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	192	175	177	195
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T:
F:



CONTAMINATION

Silicon	ppm	4	8	4	41
Sodium	ppm	<1	3	1	9
Potassium	ppm	0	<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		---	---	---	899
Iron	ppm	68	121	81	925
Copper	ppm	35	99	41	448
Lead	ppm	<1	2	1	11
Tin	ppm	2	4	2	24
Aluminum	ppm	<1	<1	<1	3
Chromium	ppm	<1	<1	<1	6
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	1	<1	10
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	7	4	52
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	26	25	10
Magnesium	ppm	<1	2	<1	<1
Zinc	ppm	15	42	13	79
Phosphorus	ppm	2368	2408	2490	2402
Barium	ppm	0	0	0	0
Boron	ppm	<1	4	2	2

Depot: ARMSTI
 Unique No: 5604399
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

