

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363880)] LIEBHERR L550 064917-1756 -Rear Differential

Sample No: LH0261009

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0261009	LH0250801	LH0235315	LH
Sample Date	15 Jun 2023	03 Feb 2023	14 Sep 2022	03 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	NORMAL	NORMAL

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	187	176	177
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T:
F:



CONTAMINATION

Silicon	ppm	4	6	8	4
Sodium	ppm	<1	2	3	3
Potassium	ppm	0	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	65	146	121	79
Copper	ppm	36	62	98	42
Lead	ppm	<1	1	2	1
Tin	ppm	3	3	4	2
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	5	7	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	2	26	24
Magnesium	ppm	<1	0	1	<1
Zinc	ppm	15	15	41	13
Phosphorus	ppm	2378	2477	2379	2457
Barium	ppm	0	0	0	0
Boron	ppm	<1	1	3	2

Depot: ARMSTI
 Unique No: 5604400
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

