

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0279048

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0279048	LH0261013	LH0235312	LH
Sample Date	22 Jan 2024	15 Jun 2023	14 Sep 2022	03 May 2022
Machine Hours	5982	4922	3114	0
Oil Hours	0	0	0	1986
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	ABNORMAL	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	180	192	175	177
		●		●	●

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 3	● 4	● 8	● 4
Sodium	ppm	● <1	● <1	● 3	● 1
Potassium	ppm	● <1	● 0	● <1	● <1

Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	● 86	● 68	● 121	● 81
Copper	ppm	● 26	● 35	● 99	● 41
Lead	ppm	● 2	● <1	● 2	● 1
Tin	ppm	● 2	● 2	● 4	● 2
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● 1	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● <1	● <1	● 0	● 0
Manganese	ppm	● 1	● 2	● 7	● 4
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIVES

Calcium	ppm	● 4	● 4	● 26	● 25
Magnesium	ppm	● <1	● <1	● 2	● <1
Zinc	ppm	● 14	● 15	● 42	● 13
Phosphorus	ppm	● 2299	● 2368	● 2408	● 2490
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 1	● <1	● 4	● 2

Depot: ARMSTI
 Unique No: 5720755
 Signed: Bill Quesnel
 Report Date: 30 Jan 2024



GRAPHS

