

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(354956)] LIEBHERR A922 128674-1509 - Front Right Wheel

Sample No: LH0274098

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0274098	LH0238910	LH0225481	LH0215550
Sample Date	01 Sep 2023	20 Jan 2023	20 May 2022	17 Dec 2021
Machine Hours	2993	2095	1163	602
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

**Transec Common Inc.**  
2075 Boul. Fortin  
Laval, QC  
CA H7S 1P4  
Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	176	177	182	189
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T:  
F:



#### CONTAMINATION

Silicon	ppm	3	2	<1	4
Sodium	ppm	5	4	11	12
Potassium	ppm	1	0	2	3

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Chromium ppm levels are abnormal. Iron ppm levels are noted. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### WEAR METALS

Iron	ppm	346	59	74	154
Copper	ppm	11	5	14	21
Lead	ppm	<1	<1	1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	4	<1	1	2
Chromium	ppm	7	<1	1	2
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	3	4
Vanadium	ppm	<1	0	0	0



#### ADDITIVES

Calcium	ppm	3	6	9	12
Magnesium	ppm	<1	<1	2	2
Zinc	ppm	16	11	34	41
Phosphorus	ppm	2296	2375	1218	1239
Barium	ppm	14	34	220	297
Boron	ppm	7	4	3	4

Depot: TRA207LAV  
Unique No: 5644714  
Signed: Bill Quesnel  
Report Date: 19 Sep 2023



### GRAPHS

