

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0274091

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0274091	LH0238911	LH0225477	LH0215549
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	NORMAL	NORMAL	NORMAL	NORMAL

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



#### OIL CONDITION

Visc @ 40°C	cSt	173	178	184	187
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T:  
F:



#### CONTAMINATION

Silicon	ppm	1	2	6	5
Sodium	ppm	1	4	5	4
Potassium	ppm	<1	0	<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. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	17	31	31	26
Copper	ppm	8	10	11	9
Lead	ppm	<1	<1	2	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	4	6	6	5
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	7	9	11	8
Phosphorus	ppm	2387	2441	1169	1204
Barium	ppm	<1	11	367	356
Boron	ppm	<1	2	3	3

Depot: TRA207LAV  
Unique No: 5644709  
Signed: Wes Davis  
Report Date: 19 Sep 2023



### GRAPHS

