

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-131191 - Transmission

Sample No: LH0227821

Oil Type: DIESEL ENGINE OIL SAE 5W40



#### SAMPLE INFORMATION

Sample Number	LH0227821	LH0227809	---	---
Sample Date	12 Oct 2023	06 Feb 2023	---	---
Machine Hours	1905	1117	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

#### KOPPERS RECOVERY RESOURCES

17961 US HIGHWAY 41  
L'ANSE, MI  
US 49946  
Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	53.7	52.6	---	---
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T:  
F:



#### CONTAMINATION

Silicon	ppm	4	6	---	---
Sodium	ppm	12	19	---	---
Potassium	ppm	2	5	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	9	27	---	---
Copper	ppm	13	22	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	16	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	47	49	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	11	27	---	---
Vanadium	ppm	<1	<1	---	---



#### ADDITIVES

Calcium	ppm	1795	2334	---	---
Magnesium	ppm	610	312	---	---
Zinc	ppm	1244	1142	---	---
Phosphorus	ppm	1091	1060	---	---
Barium	ppm	0	0	---	---
Boron	ppm	94	95	---	---

Depot: KOPLAN  
Unique No: 10701609  
Signed: Don Baldrige  
Report Date: 21 Oct 2023



### GRAPHS

