

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 120737-1216 - Left Wheel Hub

Sample No: LH0167295

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



#### STAIMAN RECYCLING

201 HEPBURN ST  
WILLIAMSPORT, PA  
US 17701

Contact: JOE MARKLEY  
jmarkleysr@staimanrecycling.com  
T: (570)419-5479  
F:



#### SAMPLE INFORMATION

Sample Number	LH0167295	LH0167299	LHMC110892	---
Sample Date	22 Jan 2022	21 Jan 2022	15 Apr 2021	---
Machine Hours	4199	4199	2044	---
Oil Hours	1103	1103	986	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	137	141	150	---
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#### CONTAMINATION

Silicon	ppm	7	3	4	---
Sodium	ppm	5	2	3	---
Potassium	ppm	0	0	0	---



#### WEAR METALS

Iron	ppm	130	36	23	---
Copper	ppm	13	25	18	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	1	<1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	7	9	10	---
Nickel	ppm	0	0	0	---
Titanium	ppm	1	1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	2	1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	45	54	104	---
Magnesium	ppm	18	26	17	---
Zinc	ppm	40	62	61	---
Phosphorus	ppm	613	496	695	---
Barium	ppm	0	0	0	---
Boron	ppm	30	34	14	---

#### 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.

Depot: STAWILLH  
Unique No: 9829355  
Signed: Jonathan Hester  
Report Date: 01 Feb 2022



### GRAPHS

