## CONSTRUCTION EQUIPMENT

## LIEBHERR LH50M 120737-1216 - Rear Differential

**TEXACO HAVOLINE GEAR OIL 80W90** 

Sample No: LH0167301

Oil Type:

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Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

**ADDITIVES** 

ppm

ppm

ppm

ppm

ppm

ppm

## **SAMPLE INFORMATION**

Sample Number		LH0167301	LHMC110862	LH0173864	
Sample Date		21 Jan 2022	15 Apr 2021	14 Dec 2020	
Machine Hours		4199	2044	1058	
Oil Hours		1103	986	1058	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	ABNORMAL	NORMAL	
OIL CO	NDITION				
Visc @ 40°C	cSt	0 138	0 150	143	
<b>11</b>					

	NTAMINA	TION			
Silicon	ppm	04	0 4	◯ 13	
Sodium	ppm	0 2	0 2	0 4	
Potassium	ppm	0	0	◯ <1	
adde.					

WEAR METALS					
Iron	ppm	0 36	23	0 33	
Copper	ppm	0 27	0 16	52	
Lead	ppm	0	○ <1	○ <1	
Tin	ppm	<b>○</b> <1	○ <1	0 ()	
Aluminum	ppm	01	○ <1	0 ()	
Chromium	ppm	<b>○</b> <1	○ <1	○ <1	
Molybdenum	ppm	<b>10</b>	0 10	3	
Nickel	ppm	0	0	0	
Titanium	ppm	1	<1	<1	
Silver	ppm	<1	0	0	
Manganese	ppm	1	<1	2	
Vanadium	ppm	0	0	0	

0 105

0 16

63

0 697

0

0 15

223

04

0 57

○ <1

 $\bigcirc$ 

2099



STAIMAN RECYCLING

201 HEPBURN ST WILLIAMSPORT, PA US 17701 Contact: JOE MARKLEY jmarkleysr@staimanrecycling.com T: (570)419-5479 F:

## 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:	9829352
Signed:	Jonathan Hester
Report Date:	01 Feb 2022

0 57

0 27

64

0 518

0

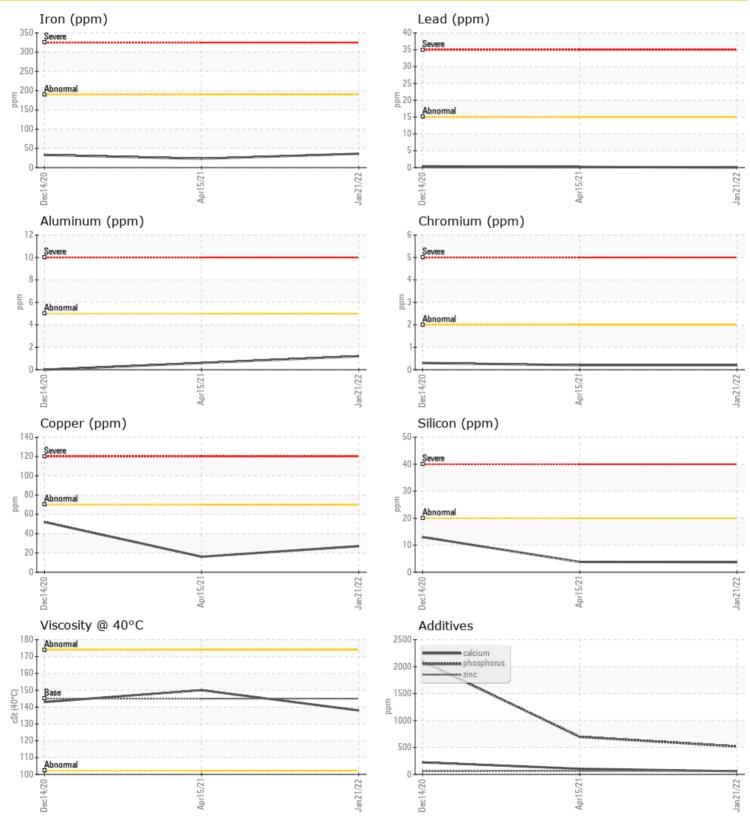
0 36





GRAPHS

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Report Id: STAWILLH [WUSCAR] 05455157 (Generated: 10/20/2023 07:20:16) Rev: 1

Contact/Location: JOE MARKLEY - STAWILLH