

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80C 097852-1529 - Splitter Box

Sample No: LH0258441

Oil Type: TEXACO HAVOLINE GEAR OIL 80W90



#### Sample Information

Sample Number	LH0258441	LH0190838	LH0190821	LH0174011
Sample Date	17 Apr 2024	11 Oct 2021	13 Aug 2021	21 Dec 2020
Machine Hours	8867	3416	5190	3910
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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#### Oil Condition

Visc @ 40°C	cSt	82.1	123	126	125
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	4	2
Sodium	ppm	<1	0	0	0
Potassium	ppm	0	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 oil viscosity is lower than normal. Confirm oil type.



#### Wear Metals

Iron	ppm	36	16	22	23
Copper	ppm	0	<1	1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	1	0	0
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

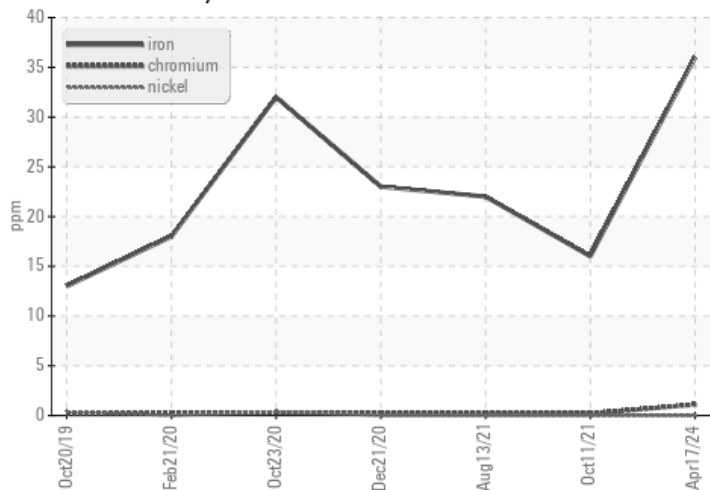
Calcium	ppm	48	27	18	23
Magnesium	ppm	29	10	5	4
Zinc	ppm	233	24	5	8
Phosphorus	ppm	852	1669	1711	1689
Barium	ppm	0	0	0	0
Boron	ppm	132	333	390	327

Depot: HEATHE  
 Unique No: 11004467  
 Signed: Don Baldrige  
 Report Date: 01 May 2024

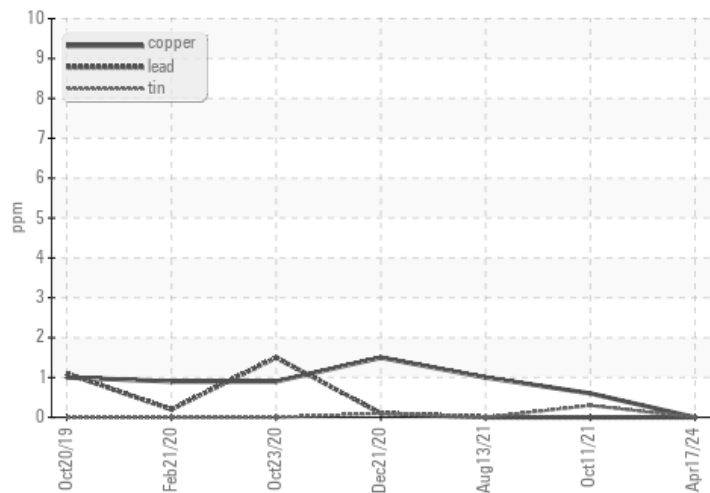


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

