

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R936 040489-1148 - Right Final Drive

Sample No: LH0229682

Oil Type: LIEBHERR HYPOID 85W-140 EP



#### Sample Information

Sample Number	LH0229682	LH0267371	LH0244012	LHMC104325
Sample Date	21 Mar 2024	30 Aug 2023	21 May 2023	27 Jul 2022
Machine Hours	9014	8524	8050	6781
Oil Hours	1000	474	0	494
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

**ACECO**  
10119 RESIDENCY ROAD  
MANASSAS, VA  
US 20110  
Contact: RON BROCK



#### Oil Condition

Visc @ 40°C	cSt	182	198	368	319
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T: (703)392-0111  
F: (703)331-5604



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	16	127	17
Sodium	ppm	<1	<1	0	2
Potassium	ppm	0	<1	6	0

#### 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	53	70	367	65
Copper	ppm	0	0	<1	0
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	3	18	4
Chromium	ppm	<1	1	5	<1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	<1	3	0
Titanium	ppm	0	<1	2	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	3	<1
Vanadium	ppm	0	0	0	0



#### Additives

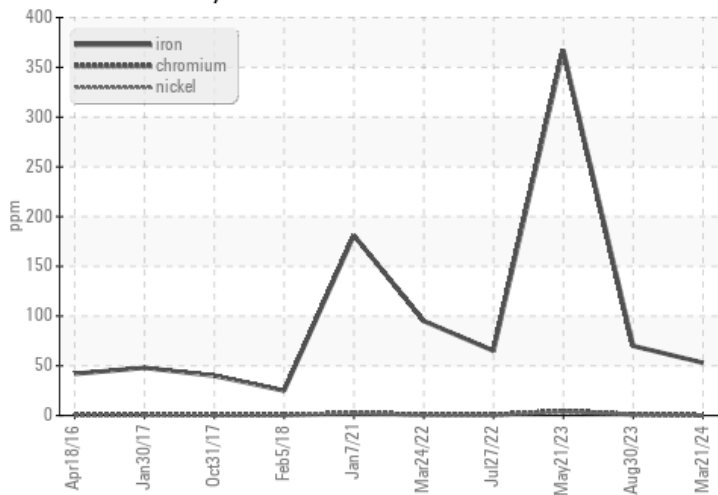
Calcium	ppm	0	14	24	8
Magnesium	ppm	0	1	5	<1
Zinc	ppm	0	5	6	6
Phosphorus	ppm	2494	2162	1185	1195
Barium	ppm	0	0	2	<1
Boron	ppm	4	0	2	4

Depot: ACEMAN  
Unique No: 11002933  
Signed: Wes Davis  
Report Date: 30 Apr 2024

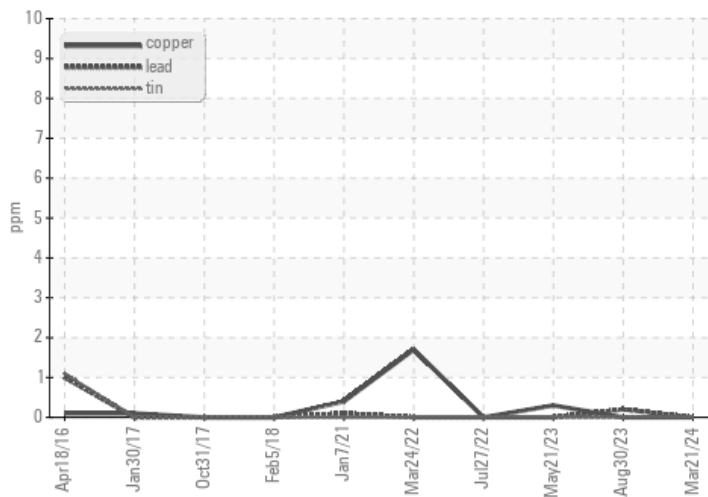


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

