

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-130391 - Splitter Box

Sample No: LH0267177

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



**VERSO CORP**  
7100 COUNTY 426 M.5 RD  
ESCANABA, MI  
US 49837  
Contact: Service Manager



#### Sample Information

Sample Number	LH0267177	LH0272170	LH0220811	LH0203921
Sample Date	29 Apr 2024	07 Feb 2024	31 Aug 2022	12 Apr 2022
Machine Hours	5549	4773	1273	807
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	139	119	148	196

T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	1	3	<1
Sodium	ppm	2	2	0	3
Potassium	ppm	3	2	0	2

#### 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	13	19	21	14
Copper	ppm	<1	1	0	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	0	2
Vanadium	ppm	0	0	0	0



#### Additives

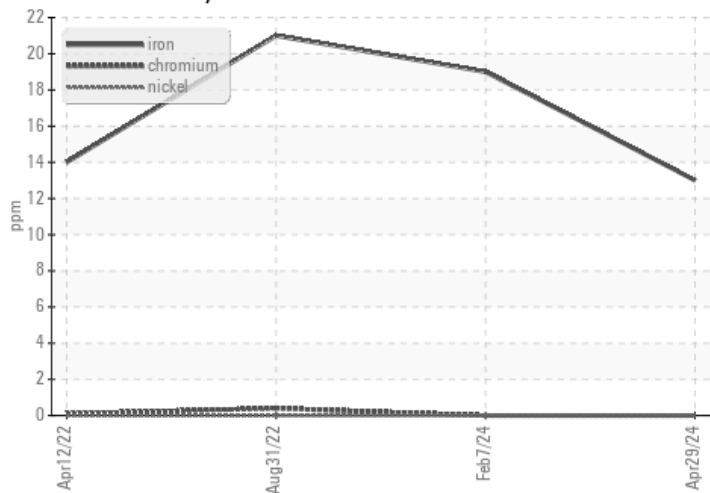
Calcium	ppm	107	84	0	9
Magnesium	ppm	5	8	0	2
Zinc	ppm	63	65	0	8
Phosphorus	ppm	1473	798	1073	1543
Barium	ppm	0	0	0	0
Boron	ppm	2	3	15	4

**Depot:** VERESC  
**Unique No:** 11016635  
**Signed:** Wes Davis  
**Report Date:** 07 May 2024

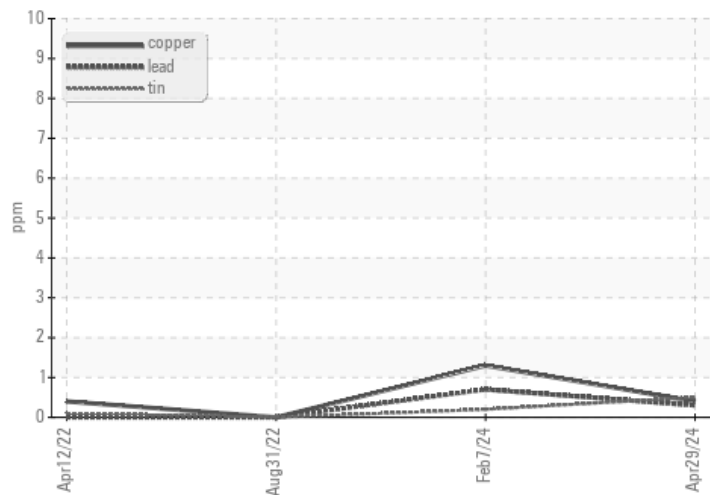


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

