

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-130391 - Transmission (Manual)

Sample No: LH0272166

Oil Type: CHEVRON DELO LE 5W40



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



#### SAMPLE INFORMATION

Sample Number	<b>LH0272166</b>	LH0264358	LH0236058	LH0220732
Sample Date	<b>07 Feb 2024</b>	25 Jul 2023	01 Mar 2023	31 Aug 2022
Machine Hours	<b>4773</b>	3023	2059	1273
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>47.9</b>	51.5	49.4	50.5
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	6	6	5
Sodium	ppm	<b>&lt;1</b>	10	15	25
Potassium	ppm	<b>4</b>	0	3	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 fluid. The condition of the fluid is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	<b>11</b>	8	11	9
Copper	ppm	<b>6</b>	6	7	10
Lead	ppm	<b>&lt;1</b>	0	1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	0	2	3
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>11</b>	15	4	4
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>83</b>	67	66	48
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>4</b>	3	6	6
Vanadium	ppm	<b>1</b>	<1	<1	<1



#### ADDITIVES

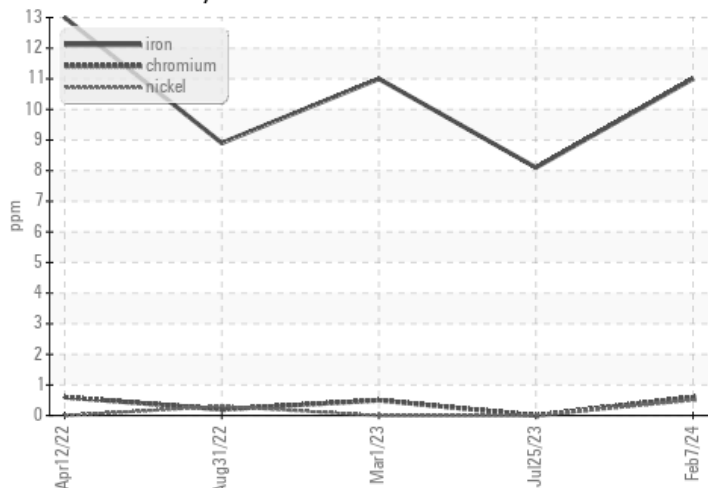
Calcium	ppm	<b>1309</b>	1573	1664	2050
Magnesium	ppm	<b>672</b>	674	487	309
Zinc	ppm	<b>1133</b>	1160	1141	1085
Phosphorus	ppm	<b>1005</b>	1043	952	965
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>147</b>	140	122	111

**Depot:** VERESC  
**Unique No:** 10884202  
**Signed:** Don Baldrige  
**Report Date:** 19 Feb 2024

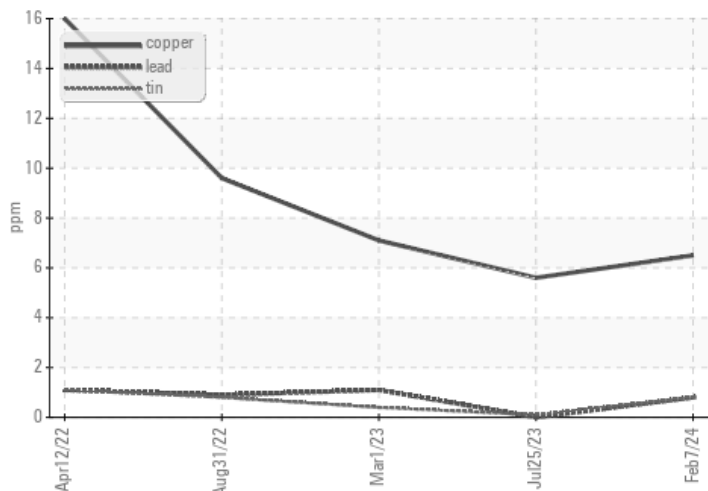


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

