

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60C T12560-1528 - Hydraulic System

Sample No: LH0225015

Oil Type: AW HYDRAULIC OIL ISO 32



#### SAMPLE INFORMATION

Sample Number	LH0225015	LH0221884	---	---
Sample Date	28 May 2023	04 Mar 2022	---	---
Machine Hours	12473	9151	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

#### EMSCO

1810 INDUSTRIAL DR  
REGINA, SK  
CA S4K 0A6  
Contact: Service Manager  
ctweddle@emsco.ca

T:  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	34.6	32.1	---	---
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#### CONTAMINATION

Particles >4µm		1405	48738	---	---
Particles >6µm		295	7063	---	---
Particles >14µm		20	201	---	---
ISO 4406:1999 (c)		18/15/11	23/20/15	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	<1	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	10	16	---	---
Copper	ppm	2	6	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	2	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

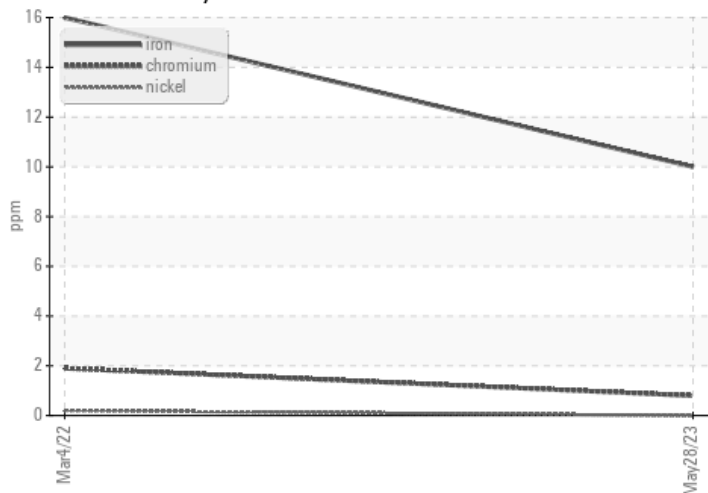
Calcium	ppm	653	165	---	---
Magnesium	ppm	27	19	---	---
Zinc	ppm	600	432	---	---
Phosphorus	ppm	526	366	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	2	---	---

Depot: EMSREG  
Unique No: 5619924  
Signed: Kevin Marson  
Report Date: 10 Aug 2023

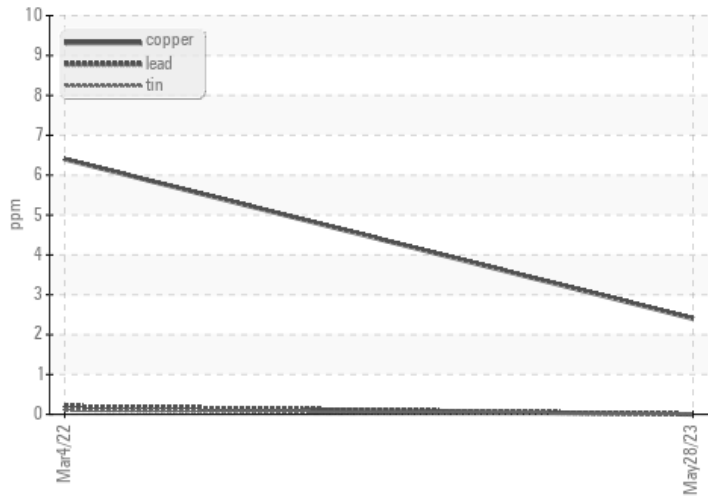


### GRAPHS

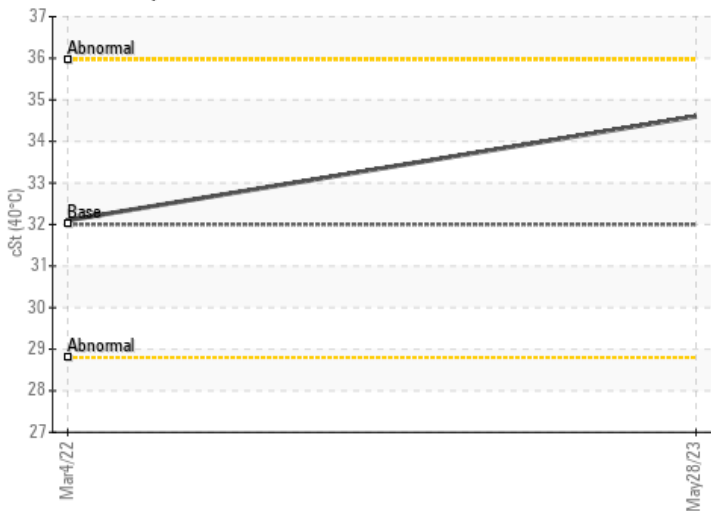
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

