

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 112359-1216 - Energy Recovery Cylinder

Sample No: LH0127912

Oil Type: LIEBHERR



RICHMOND STEEL
12707 170 STREET
EDMONTON, AB
CA T5V 1L9
Contact: Sandor Arguello

T: (780)447-3391
F:

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.



SAMPLE INFORMATION

Sample Number	LH0127912	---	---	---
Sample Date	26 May 2021	---	---	---
Machine Hours	2490	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	219	---	---	---
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CONTAMINATION

Particles >4µm		54796	---	---	---
Particles >6µm		8159	---	---	---
Particles >14µm		260	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	34	---	---	---
Sodium	ppm	7	---	---	---
Potassium	ppm	4	---	---	---



WEAR METALS

Iron	ppm	37	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	12	---	---	---
Chromium	ppm	10	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

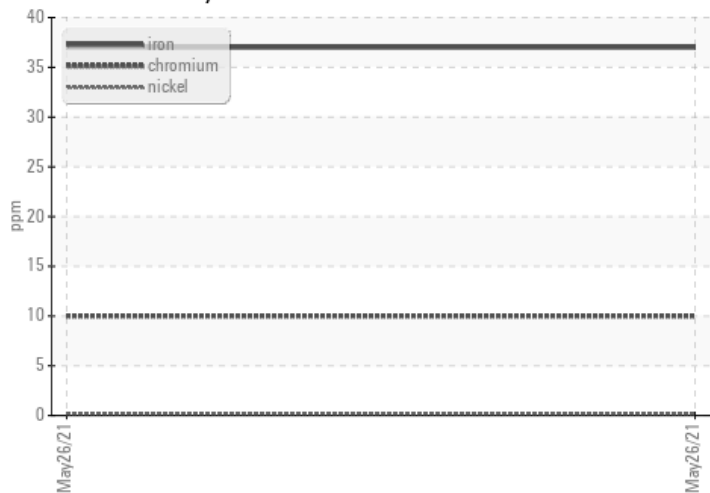
Calcium	ppm	28	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	11	---	---	---
Phosphorus	ppm	208	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	<1	---	---	---

Depot: RICEDM
Unique No: 5238740
Signed: Kevin Marson
Report Date: 16 Jun 2021

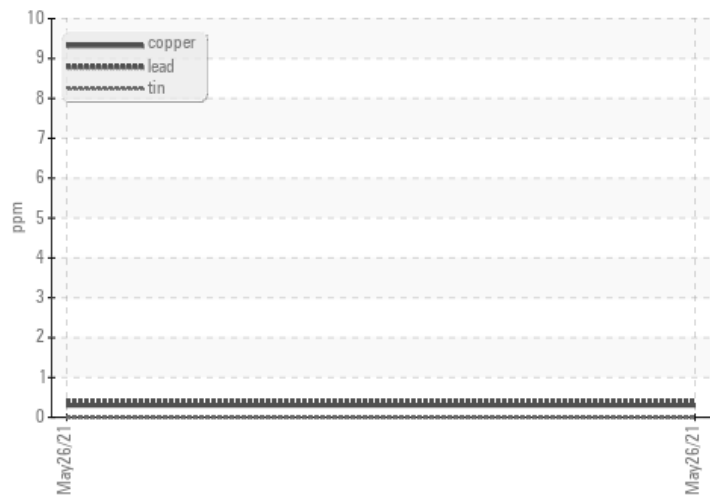


GRAPHS

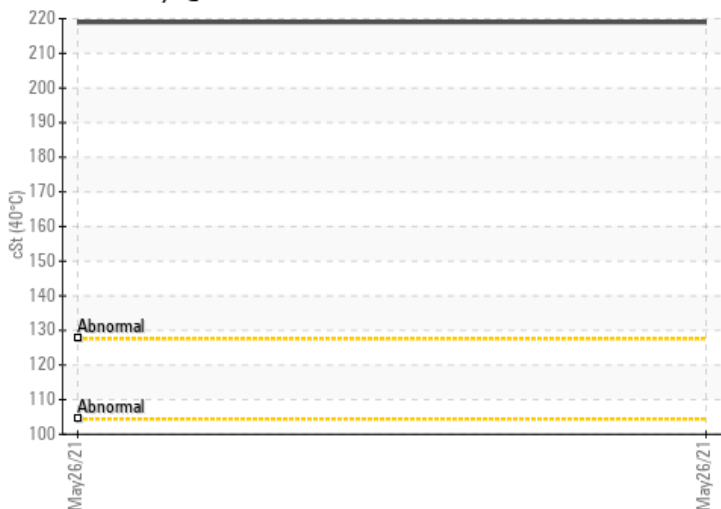
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

