

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LR1250.1 LH35298 (S/N 135.298) - Hydraulic System

Sample No: LH0258463

Oil Type: TDH



#### Sample Information

Sample Number	LH0258463	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	3348	---	---	---
Oil Hours	3348	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

KINDER MORGAN

4301 IVERSON

TRINITY, AL

US 35601

Contact: RICKY JOHNSON

ricky\_johnson@kindermorgan.com

T:

F: (256)355-5250



#### Oil Condition

Visc @ 40°C	cSt	38.0	---	---	---
Acid Number (AN)	mg KOH/g	0.61	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Particles >4µm		2327	---	---	---
Particles >6µm		592	---	---	---
Particles >14µm		36	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	2	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### Wear Metals

Iron	ppm	2	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

Calcium	ppm	706	---	---	---
Magnesium	ppm	14	---	---	---
Zinc	ppm	521	---	---	---
Phosphorus	ppm	435	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	3	---	---	---

Depot: KINTRI

Unique No: 11002635

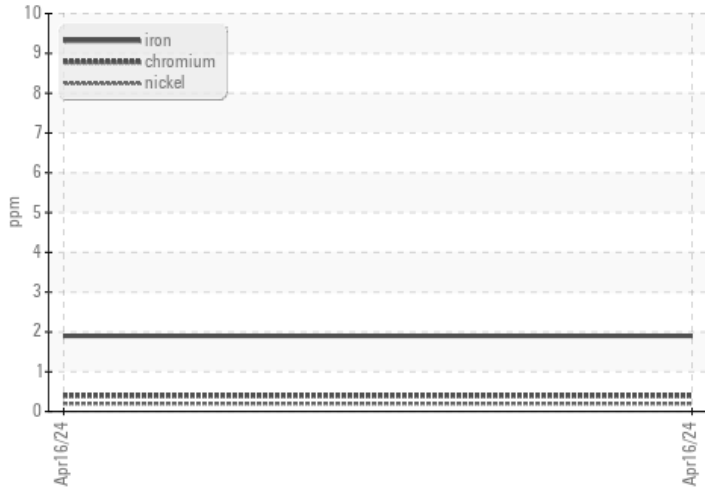
Signed: Don Baldrige

Report Date: 30 Apr 2024

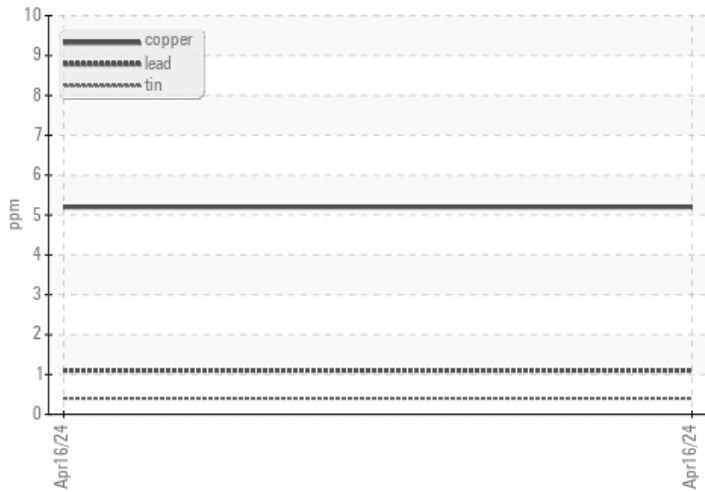


### Graphs

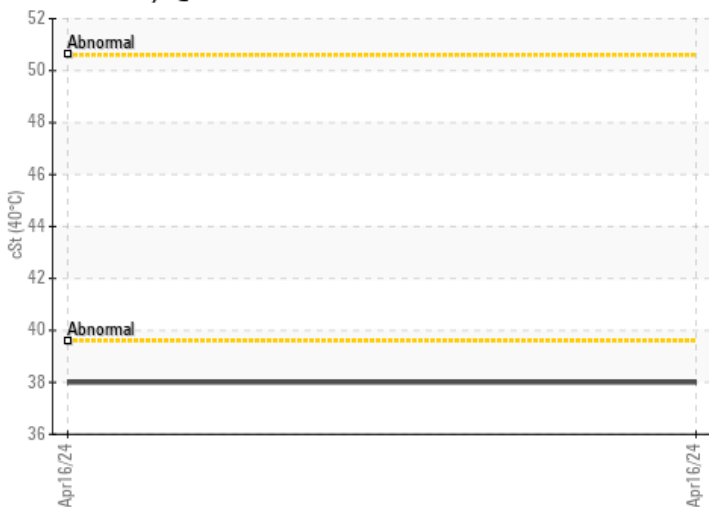
#### Ferrous Alloys



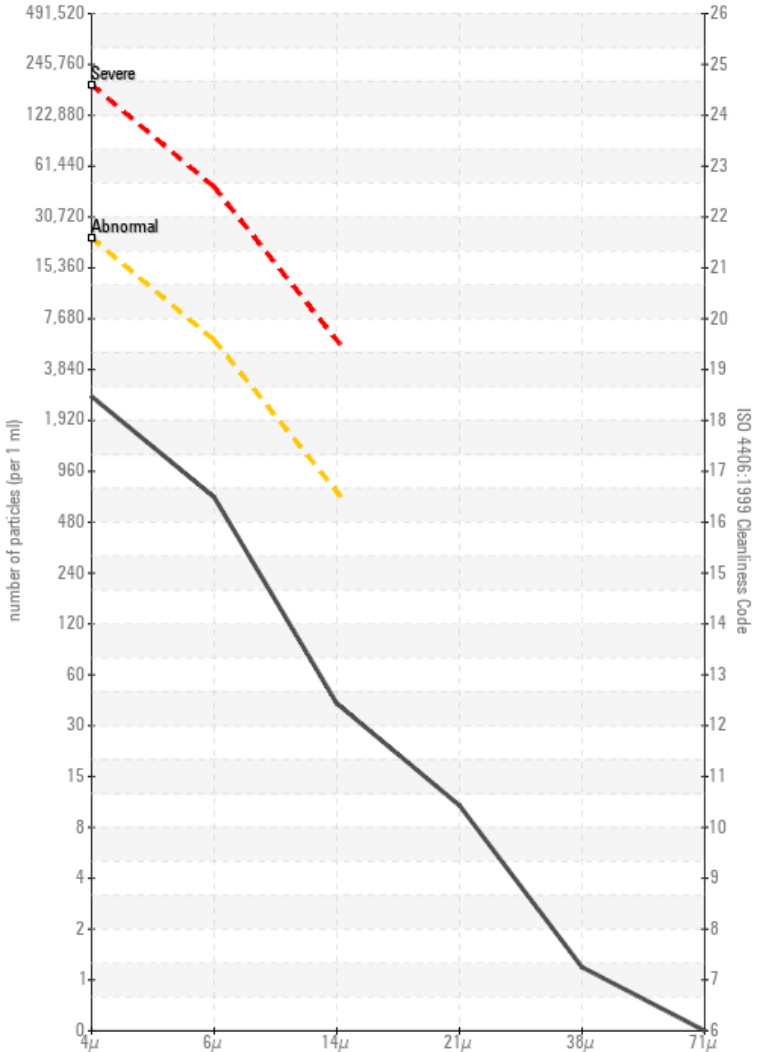
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

