

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1203-88500 - Hydraulic System

Sample No: LH0272501
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0272501	LH0254733	LH0236086	LH0220733
Sample Date	14 Dec 2023	17 May 2023	25 Jan 2023	09 Sep 2022
Machine Hours	8417	7952	7490	6977
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

TERX METALS

119 FIRST ST
 BROKAW, WI
 US 54417
 Contact: MATT DYMORA
 terxmaint@gmail.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.7	43.5	43.4	43.3
Acid Number (AN)	mg KOH/g	0.86	1.01	0.869	0.94



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1598	898	2627	622
Particles >6µm		290	165	701	59
Particles >14µm		25	20	42	7
ISO 4406:1999 (c)		18/15/12	17/15/11	19/17/13	16/13/10
Silicon	ppm	2	2	2	2
Sodium	ppm	6	3	2	5
Potassium	ppm	0	2	2	0

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	45	43	37	29
Copper	ppm	5	5	4	4
Lead	ppm	1	1	1	<1
Tin	ppm	1	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

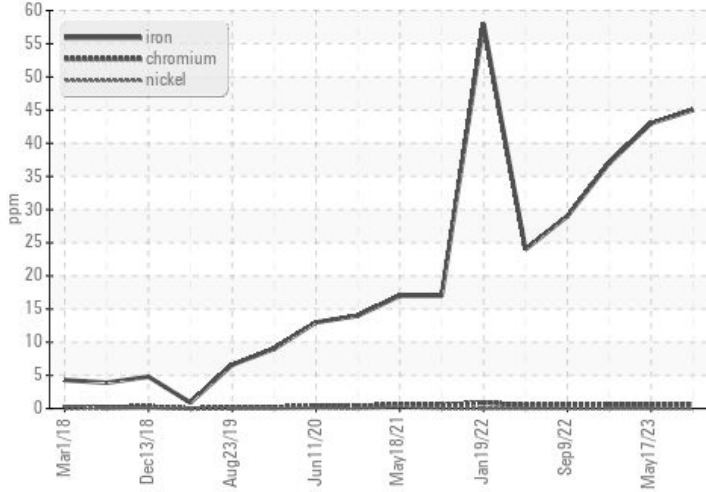
Calcium	ppm	1048	1126	1166	1111
Magnesium	ppm	0	6	6	5
Zinc	ppm	424	464	475	453
Phosphorus	ppm	330	347	356	355
Barium	ppm	0	0	0	2
Boron	ppm	0	0	0	0

Depot: TERBRO
 Unique No: 10806090
 Signed: Don Baldrige
 Report Date: 28 Dec 2023

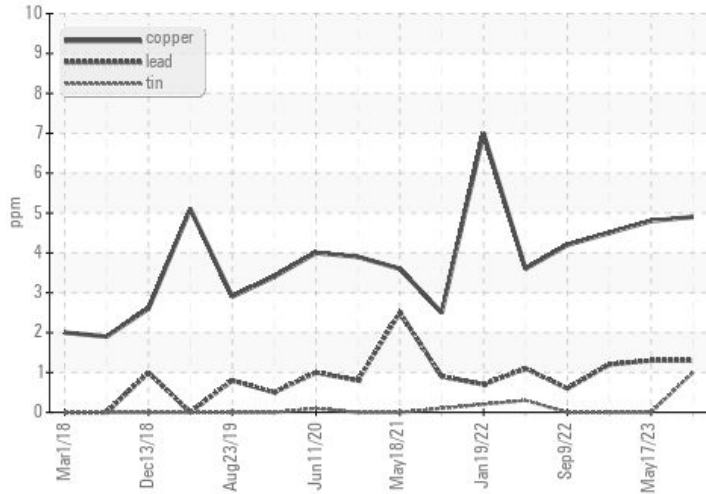


GRAPHS

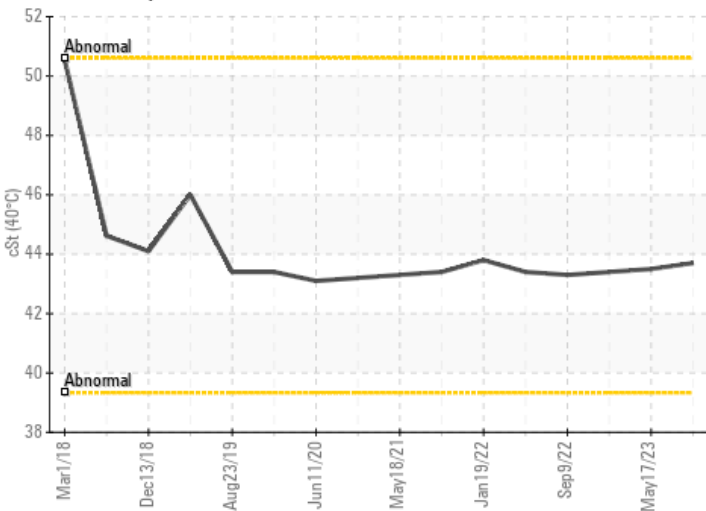
Ferrous Alloys



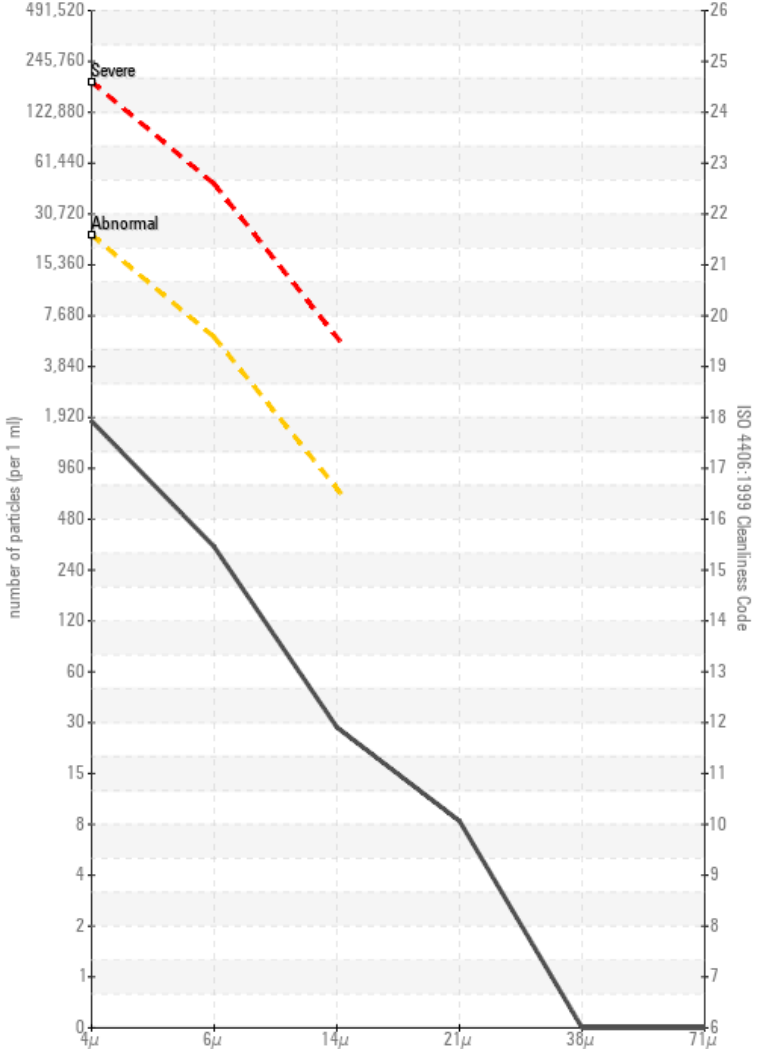
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

