

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904C071146-1071 - Hydraulic System

Sample No: LH0259103

Oil Type: LIEBHERR HYD



SAMPLE INFORMATION

Sample Number	LH0259103	LH0254213	LHMC100093	LHMC100050
Sample Date	12 Jun 2023	16 Mar 2023	18 Apr 2016	11 Jan 2016
Machine Hours	12434	12177	1547	1053
Oil Hours	2000	500	1547	1053
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

BAY DISPOSAL

2224 SPRINGFIELD AVE
NORFOLK, VA
US 23523
Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	42.6	42.0	45.43	45.95
Acid Number (AN)	mg KOH/g	0.50	0.47	0.881	0.732

T:
F:



CONTAMINATION

Particles >4µm		16305	---	610	565
Particles >6µm		1027	---	332	308
Particles >14µm		35	---	56	52
ISO 4406:1999 (c)		21/17/12	---	16/16/13	16/15/13
Silicon	ppm	1	0	3	3
Sodium	ppm	<1	1	2	2
Potassium	ppm	<1	0	2	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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	9	12	31	22
Copper	ppm	1	2	8	6
Lead	ppm	0	0	2	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	2	3	<1	<1
Molybdenum	ppm	8	3	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

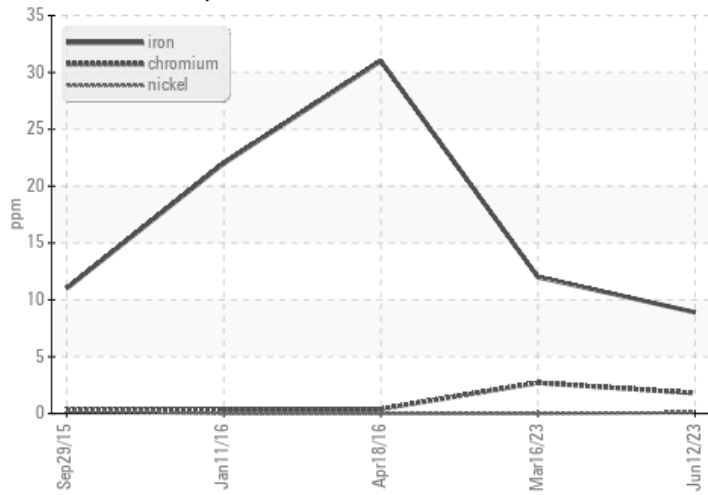
Calcium	ppm	132	148	1064	1157
Magnesium	ppm	26	15	4	6
Zinc	ppm	507	479	650	630
Phosphorus	ppm	386	378	471	478
Barium	ppm	0	0	0	0
Boron	ppm	3	<1	<1	<1

Depot: BAYNOR
Unique No: 10548667
Signed: Wes Davis
Report Date: 10 Jul 2023

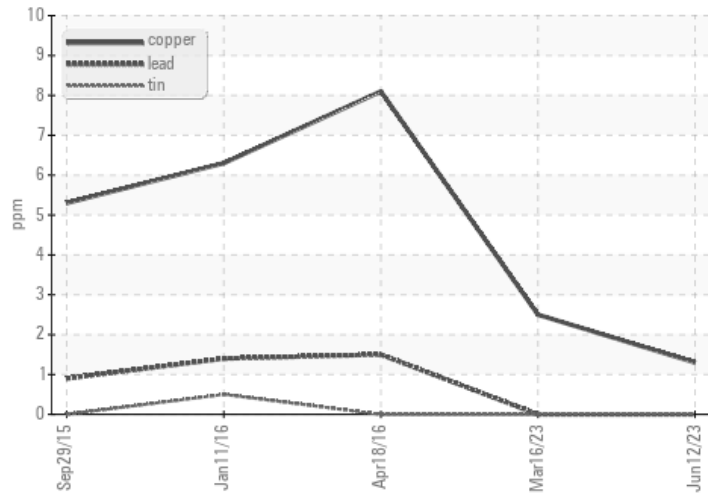


GRAPHS

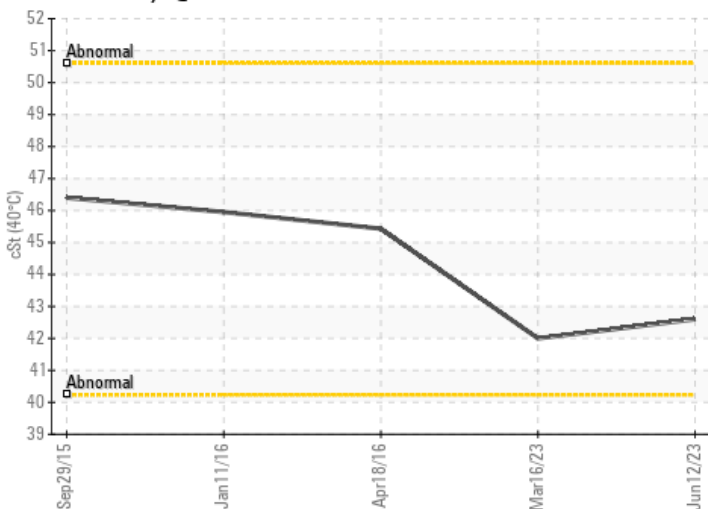
Ferrous Alloys



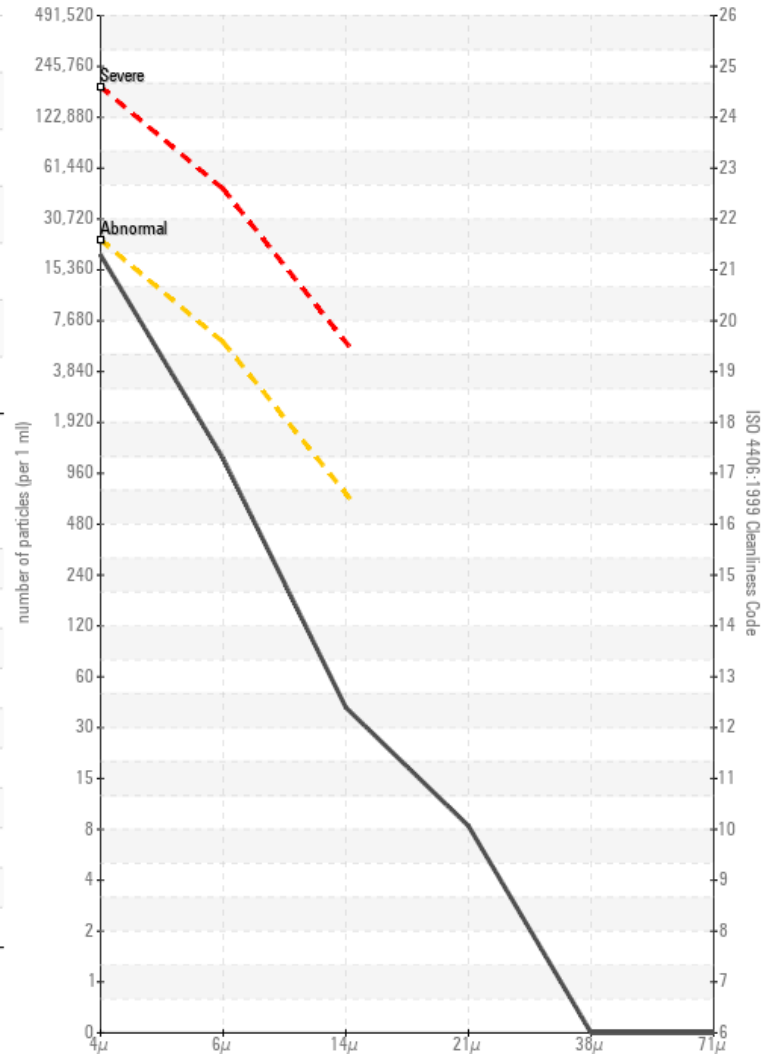
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

