

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH-50 83207 - Hydraulic System

Sample No: LH0281213
 Oil Type: KLONDIKE AW 46



ABC RECYCLING
 8081 MEADOW AVE.
 BURNABY, BC
 CA V3N 2V9
 Contact: John Anderson
 john.anderson@abcrcycling.com
 T: (778)988-9944
 F:



SAMPLE INFORMATION

Sample Number	LH0281213	LH0162084	LH0144689	LH0140306
Sample Date	12 Mar 2024	29 Apr 2020	24 Sep 2019	12 Jul 2019
Machine Hours	19953	10500	9038	8520
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	39.4	41.6	41.8	41.4



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6899	4625	2379	99
Particles >6µm		1630	1353	604	27
Particles >14µm		163	139	40	4
ISO 4406:1999 (c)		20/18/15	19/18/14	18/16/12	14/12/9
Silicon	ppm	0	<1	<1	<1
Sodium	ppm	2	<1	0	<1
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	48	14	9	8
Copper	ppm	10	3	3	3
Lead	ppm	1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	3	2	2	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	109	255	263	287
Magnesium	ppm	4	2	2	2
Zinc	ppm	503	606	613	634
Phosphorus	ppm	420	488	497	497
Barium	ppm	0	<1	<1	0
Boron	ppm	<1	<1	<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.

Depot: ABCBUR
 Unique No: 5750108
 Signed: Wes Davis
 Report Date: 28 Mar 2024

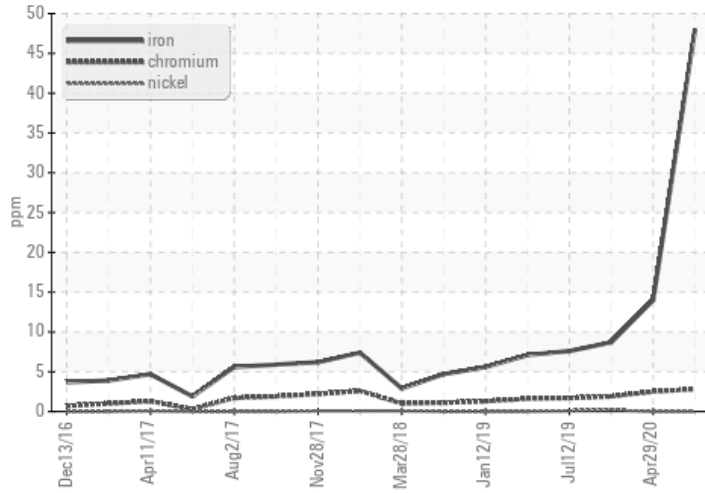
LIEBHERR

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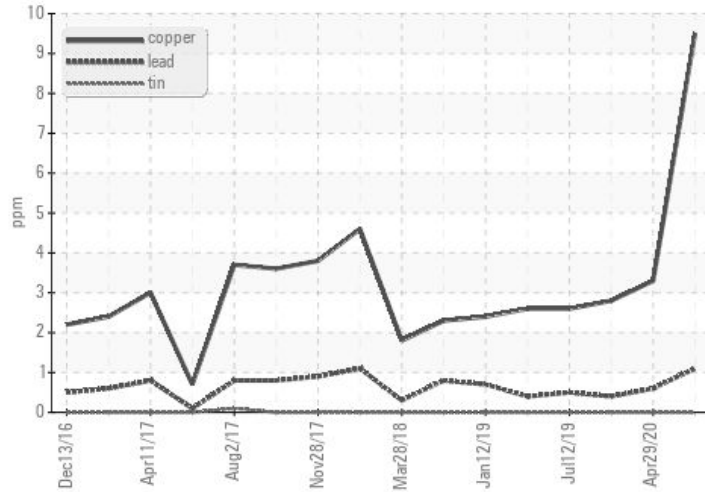


GRAPHS

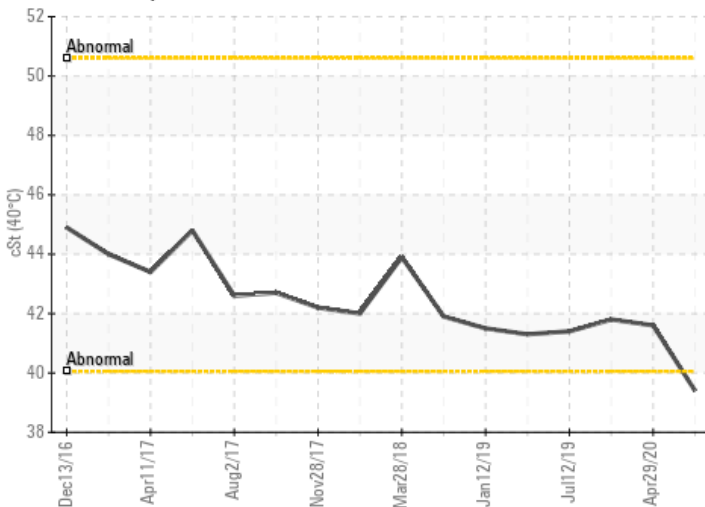
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

