

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 054472-1334 - Hydraulic System

Sample No: LH
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	LH0242802	LH	LH0234475
Sample Date	22 Jun 2023	14 Dec 2022	31 Aug 2022	08 Aug 2022
Machine Hours	7000	6005	5309	4995
Oil Hours	0	0	5309	0
Oil Changed	N/A	Not Changd	Not Changd	N/A
Sample Status	ABNORMAL	ABNORMAL	ATTENTION	ABNORMAL

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 1 Terracon Place
 Winnipeg, MB
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 F:



OIL CONDITION

Visc @ 40°C	cSt	43.1	42.6	42.9	43.2
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CONTAMINATION

Particles >4µm		106031	46689	26703	50548
Particles >6µm		28545	1183	1491	7323
Particles >14µm		693	9	69	164
ISO 4406:1999 (c)		24/22/17	23/17/10	22/18/13	23/20/15
Silicon	ppm	6	8	6	7
Sodium	ppm	<1	1	1	1
Potassium	ppm	1	2	1	2

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	22	30	23	20
Copper	ppm	9	6	6	4
Lead	ppm	7	10	9	8
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	3	3	3
Chromium	ppm	2	2	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

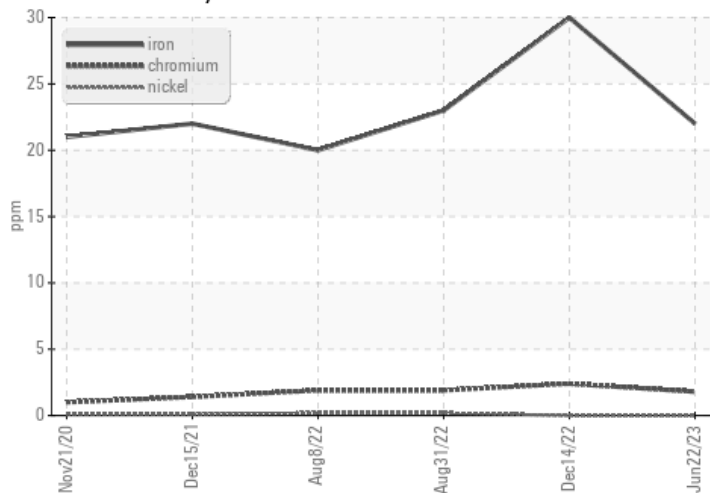
Calcium	ppm	544	915	880	865
Magnesium	ppm	12	11	9	9
Zinc	ppm	832	805	793	775
Phosphorus	ppm	696	702	697	630
Barium	ppm	0	0	0	0
Boron	ppm	4	7	7	7

Depot: BIRWIN
 Unique No: 5605316
 Signed: Wes Davis
 Report Date: 07 Jul 2023

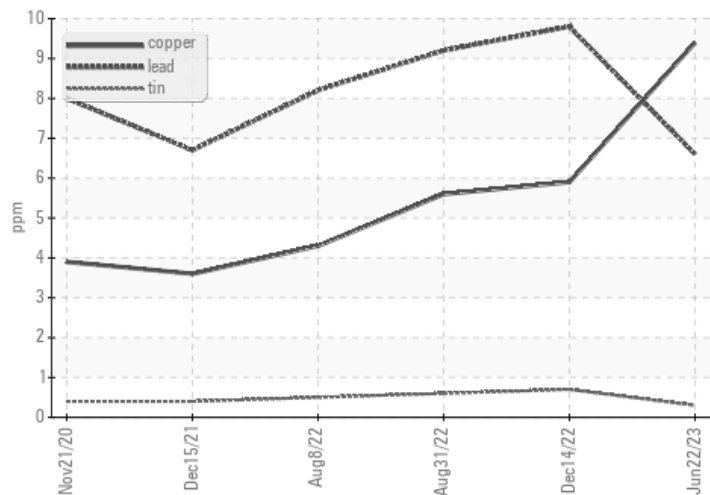


GRAPHS

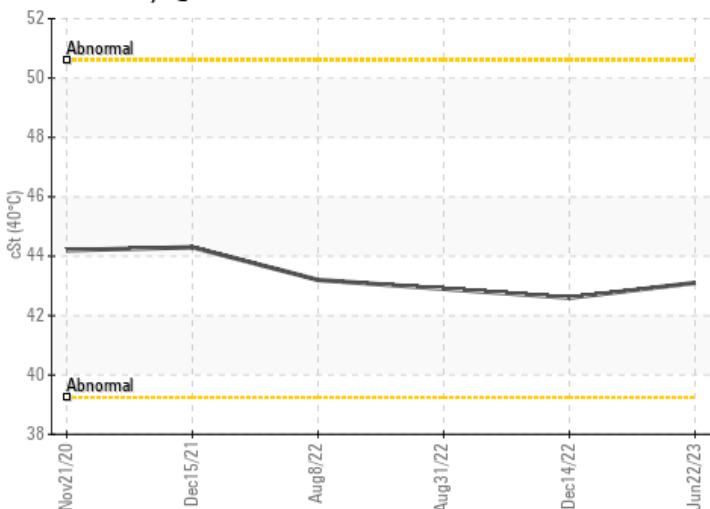
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

