

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Hydraulic System

Sample No: LH0281408

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

Sample Number	LH0281408	LH0278964	LH0270256	LH0274429
Sample Date	21 Jan 2024	05 Nov 2023	25 Sep 2023	15 Aug 2023
Machine Hours	13061	12685	12214	11526
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

CGC INC

55 THIRD LINE RD
HAGERSVILLE, ON
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F:



OIL CONDITION

Visc @ 40°C	cSt	45.0	43.7	43.3	43.8



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		9886	21209	7875	4407
Particles >6µm		744	4027	1158	333
Particles >14µm		13	36	20	13
ISO 4406:1999 (c)		20/17/11	22/19/12	20/17/11	19/16/11
Silicon	ppm	1	2	2	2
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	<1	0	0	<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.



WEAR METALS

Iron	ppm	6	10	11	10
Copper	ppm	<1	2	2	1
Lead	ppm	1	3	3	3
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	165	162	161	156
Magnesium	ppm	1	2	2	2
Zinc	ppm	838	847	829	827
Phosphorus	ppm	663	651	648	686
Barium	ppm	0	<1	<1	0
Boron	ppm	<1	<1	<1	<1

Depot: CGCHAG
Unique No: 5711400
Signed: Kevin Marson
Report Date: 23 Jan 2024

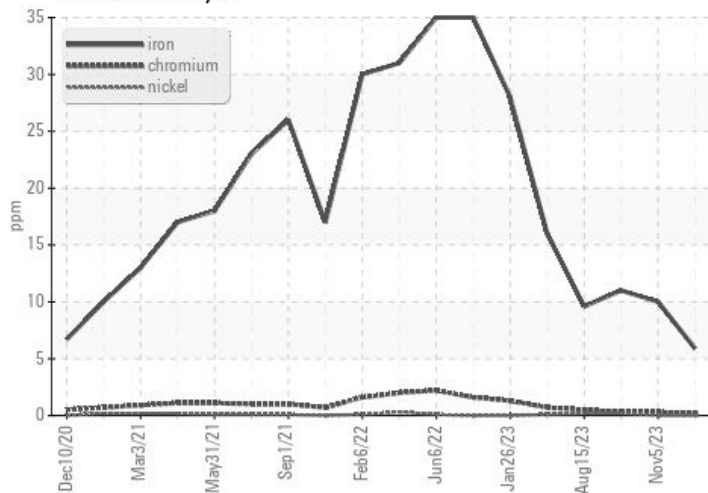
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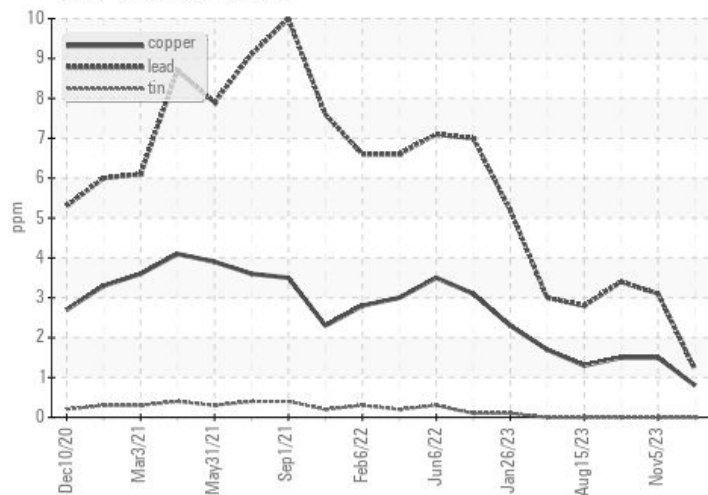


GRAPHS

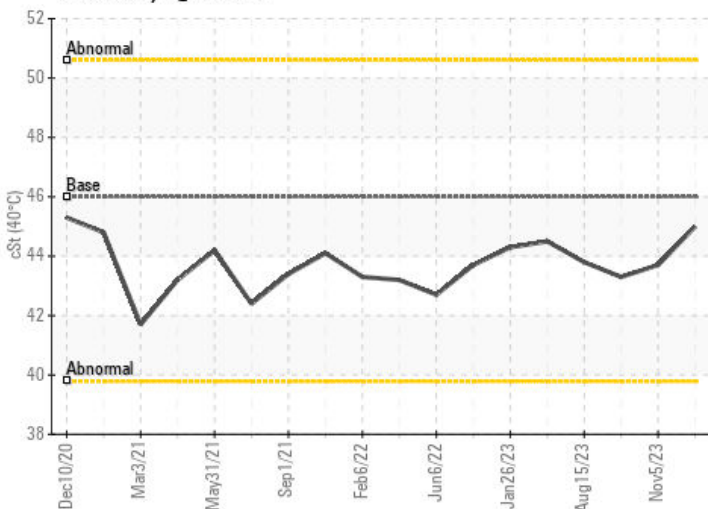
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

