

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055418-1334 - Hydraulic System

Sample No: LH0296734

Oil Type: AW HYDRAULIC OIL ISO 46



Sample Information

Sample Number	LH0296734	LH0289738	LH0284905	LH0281408
Sample Date	07 Jul 2024	14 May 2024	11 Feb 2024	21 Jan 2024
Machine Hours	15057	14463	13516	13061
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ATTENTION	ATTENTION	ABNORMAL	NORMAL

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Oil Condition

Visc @ 40°C	cSt	43.3	44.0	41.9	45.0



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		25425	25222	64841	9886
Particles >6µm		6839	2724	17792	744
Particles >14µm		449	28	611	13
ISO 4406:1999 (c)		22/20/16	22/19/12	23/21/16	20/17/11
Silicon	ppm	3	1	<1	1
Sodium	ppm	<1	<1	0	0
Potassium	ppm	2	<1	<1	<1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	18	17	<1	6
Copper	ppm	2	1	0	<1
Lead	ppm	2	<1	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



Additives

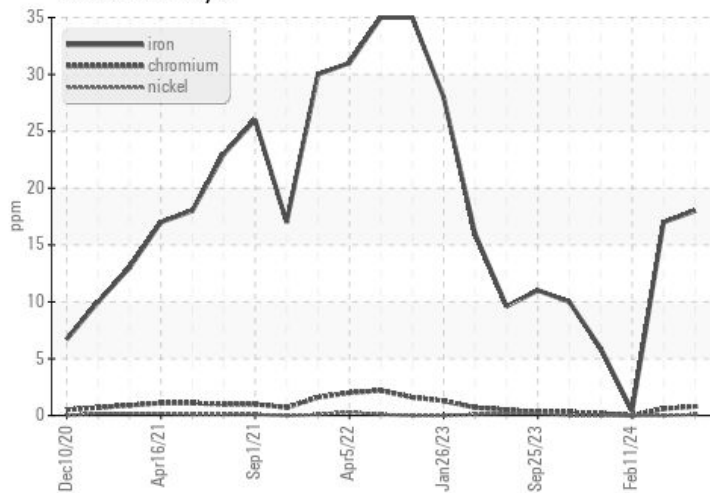
Calcium	ppm	181	181	103	165
Magnesium	ppm	2	3	<1	1
Zinc	ppm	856	836	833	838
Phosphorus	ppm	664	662	659	663
Barium	ppm	<1	0	0	0
Boron	ppm	9	<1	0	<1

Depot: CGCHAG
 Unique No: 5811863
 Signed: Kevin Marson
 Report Date: 09 Jul 2024

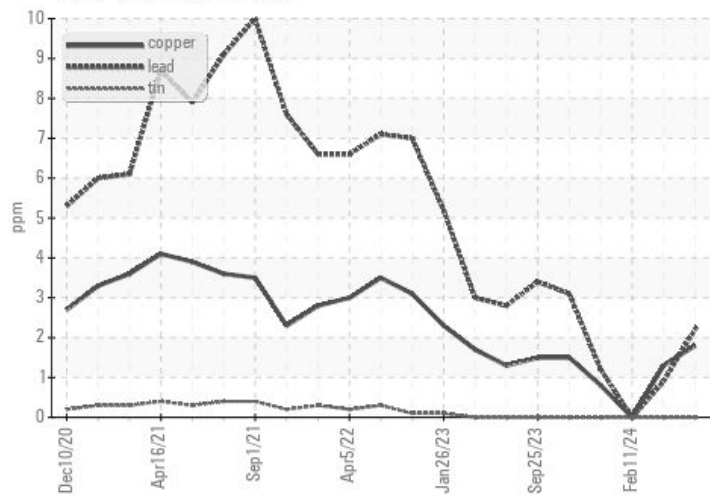


Graphs

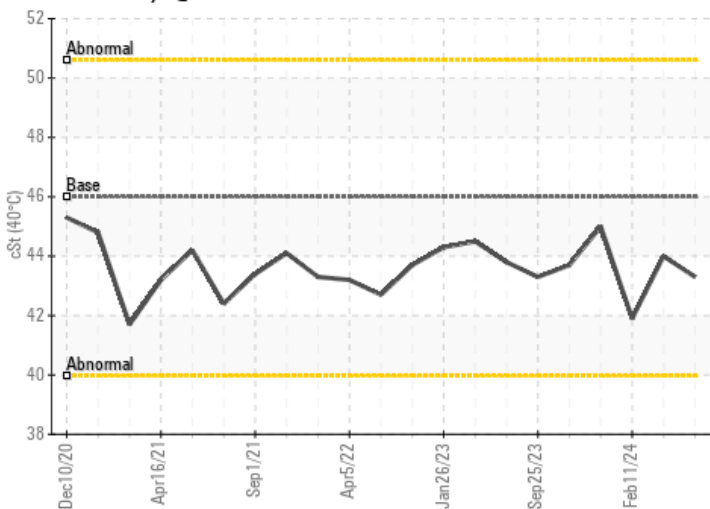
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

