

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BLOOMINGTON IRON]] LIEBHERR A924 043186-1049 - Hydraulic

Sample No: LH0267720

Oil Type: MV 46



RECO EQUIPMENT INC
 8075 PRODUCTION DRIVE
 FLORENCE, KY
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Sample Information

Sample Number	LH0267720	LH0190618	LH0166782	LH0166164
Sample Date	18 Apr 2024	15 Mar 2023	27 Apr 2021	14 Dec 2020
Machine Hours	18491	17465	15800	15344
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	65.0	65.3	66.4	66.0
Acid Number (AN)	mg KOH/g	0.40	0.30	0.456	0.361



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		14528	16805	19209	10999
Particles >6µm		1998	577	2373	1061
Particles >14µm		110	21	123	83
ISO 4406:1999 (c)		21/18/14	21/16/12	21/18/14	21/17/14
Silicon	ppm	2	<1	<1	2
Sodium	ppm	2	<1	0	<1
Potassium	ppm	2	0	0	0



Wear Metals

Iron	ppm	16	14	9	7
Copper	ppm	2	2	2	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	2	0	<1
Chromium	ppm	3	2	1	1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	4	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	55	54	55	85
Magnesium	ppm	<1	2	0	1
Zinc	ppm	459	445	441	451
Phosphorus	ppm	356	345	346	345
Barium	ppm	0	0	0	0
Boron	ppm	0	0	1	7

Diagnosis

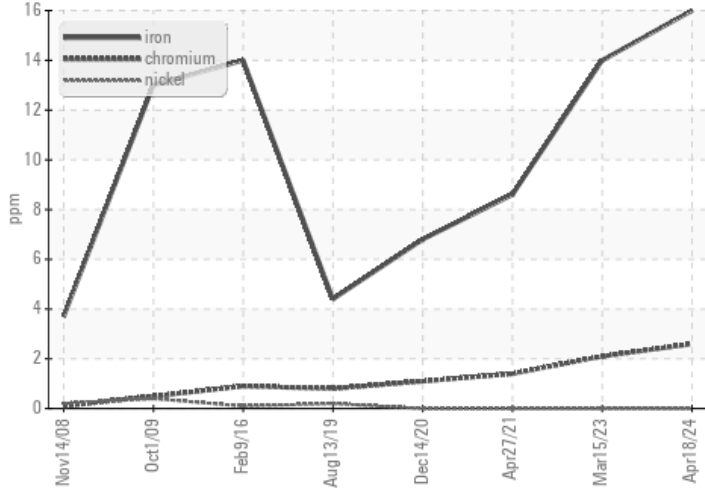
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LEC0082
 Unique No: 10996353
 Signed: Wes Davis
 Report Date: 26 Apr 2024

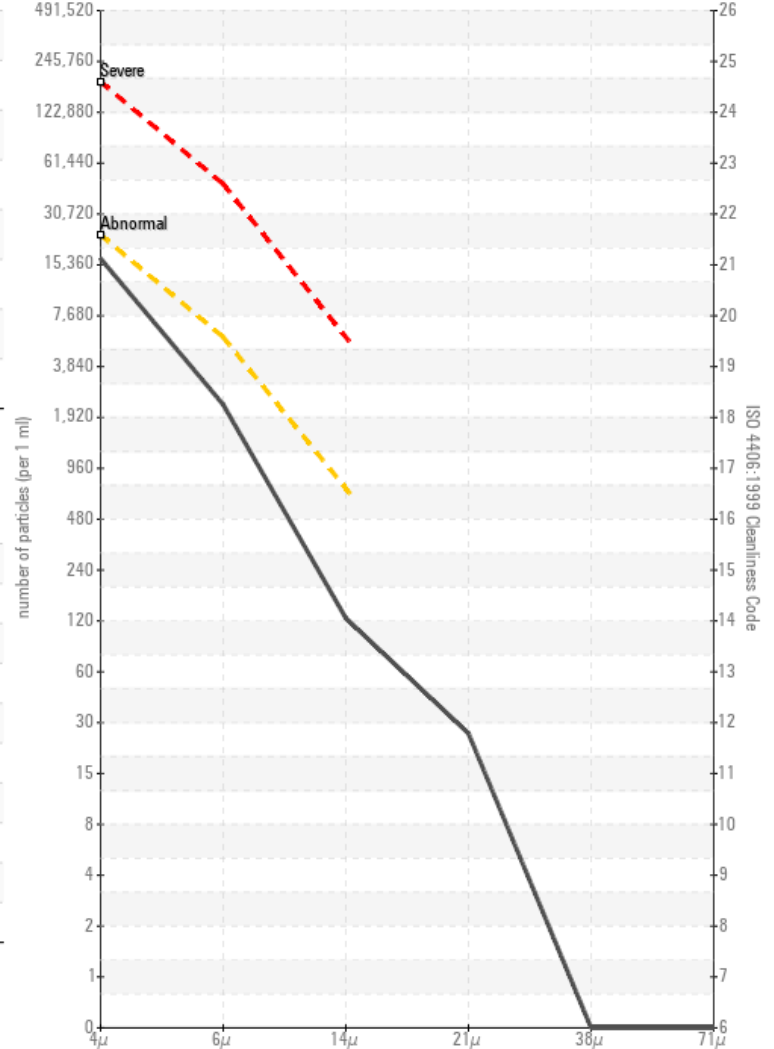


Graphs

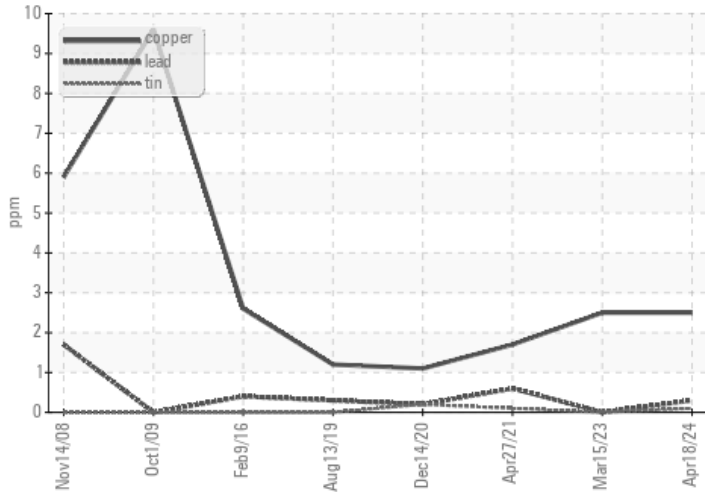
Ferrous Alloys



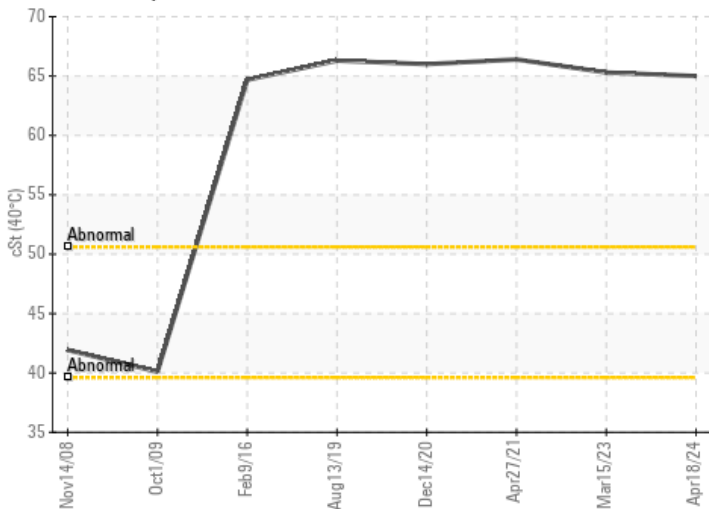
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

