

LIEBHERR

CONSTRUCTION EQUIPMENT



[[AZCON]] LIEBHERR A934C 038332-1006 - Hydraulic System

Sample No: LH0253874

Oil Type: AW HYDRAULIC OIL ISO 32



SAMPLE INFORMATION

Sample Number	LH0253874	DJJ009231	DJJ009248	LHMC040583
Sample Date	11 Aug 2023	23 Jan 2013	28 Mar 2012	28 Jul 2011
Machine Hours	13950	7377	6219	5209
Oil Hours	0	1000	2000	1000
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	37.3	44.8	42.5	42.87
Acid Number (AN)	mg KOH/g	0.38	0.650	0.786	0.837



CONTAMINATION

Particles >4µm		11673	29	714	63
Particles >6µm		547	16	88	34
Particles >14µm		27	2	17	5
ISO 4406:1999 (c)		21/16/12	12/11/9	17/14/11	13/12/10
Silicon	ppm	3	1	1	1
Sodium	ppm	1	1	1	1
Potassium	ppm	1	<1	0	0



WEAR METALS

Iron	ppm	2	5	8	7
Copper	ppm	<1	2	3	3
Lead	ppm	0	2	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	3	1	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	112	268	174	217
Magnesium	ppm	17	9	0	2
Zinc	ppm	304	434	379	414
Phosphorus	ppm	258	396	316	356
Barium	ppm	7	0	0	0
Boron	ppm	2	2	3	5

Diagnosis

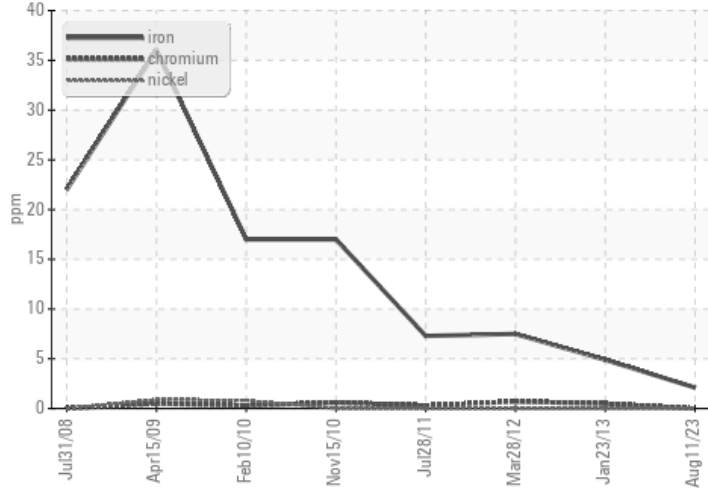
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.
 All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The 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: LEC0008
 Unique No: 10635121
 Signed: Wes Davis
 Report Date: 08 Sep 2023

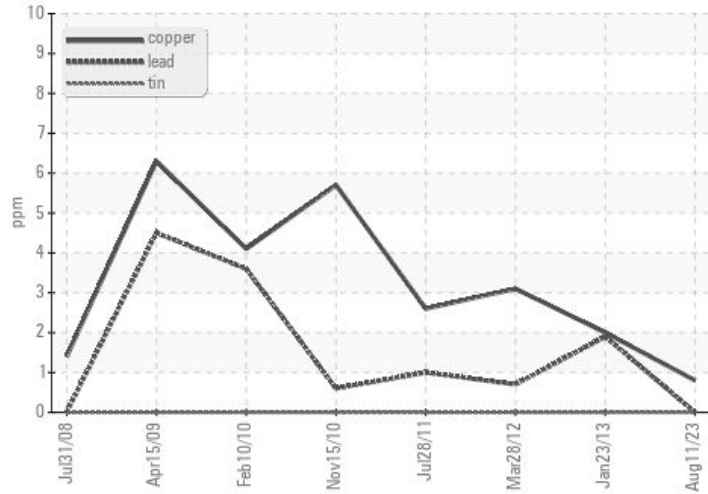


GRAPHS

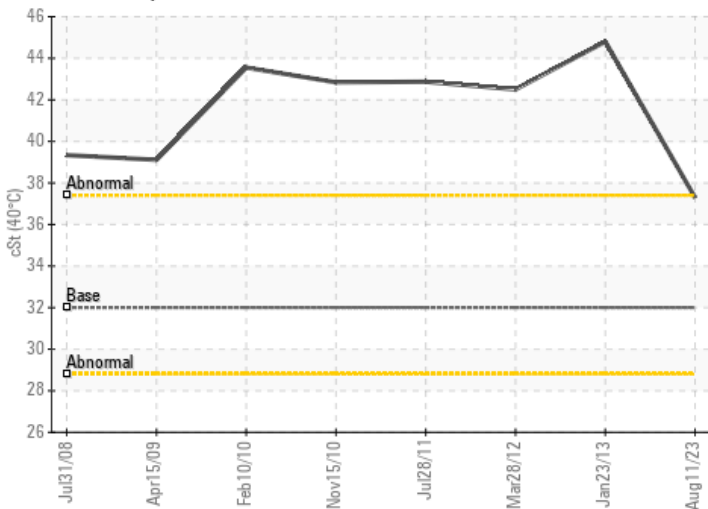
Ferrous Alloys



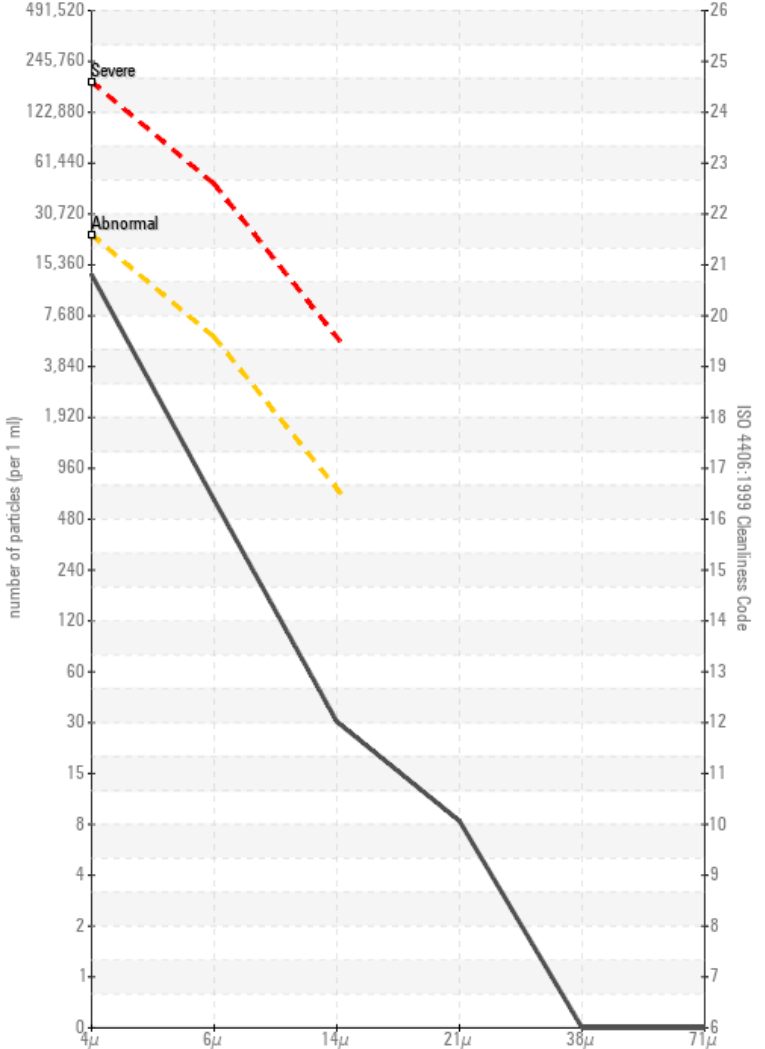
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

