

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Newport] 67152 LIEBHERR R954C 033850-781 - Hydraulic

Sample No: LH0254378

Oil Type: AW HYDRAULIC OIL ISO 68



SAMPLE INFORMATION

Sample Number	LH0254378	DJJ0016696	DJJ0011892	DJJ0004483
Sample Date	19 Mar 2024	09 Jan 2023	19 May 2022	10 Sep 2021
Machine Hours	0	18056	16779	15361
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

RIVER METALS RECYCLING - ASHLAND
1900 FRONT ST
ASHLAND, KY
US 41101
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	63.7	63.9	61.5	63.8
Acid Number (AN)	mg KOH/g	0.51	0.80	0.91	0.389

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		9994	6719	4368	9074
Particles >6µm		2563	874	475	1731
Particles >14µm		159	21	28	98
ISO 4406:1999 (c)		20/19/14	20/17/12	19/16/12	20/18/14
Silicon	ppm	0	2	<1	0
Sodium	ppm	<1	0	0	0
Potassium	ppm	0	1	2	0

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 68. 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.



WEAR METALS

Iron	ppm	0	5	<1	<1
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	1	<1	0
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	26	19	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	<1	0	0



ADDITIVES

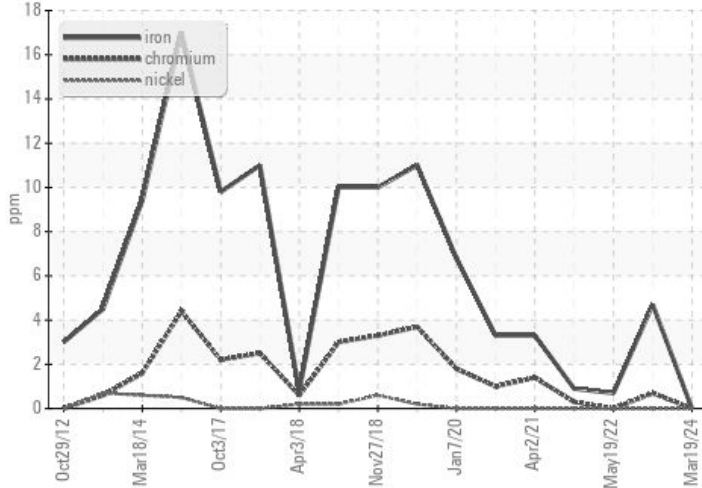
Calcium	ppm	15	1108	692	77
Magnesium	ppm	1	111	119	10
Zinc	ppm	387	672	636	457
Phosphorus	ppm	315	560	520	327
Barium	ppm	0	1	0	0
Boron	ppm	0	77	66	7

Depot: RIVASHKY
Unique No: 10941870
Signed: Wes Davis
Report Date: 26 Mar 2024

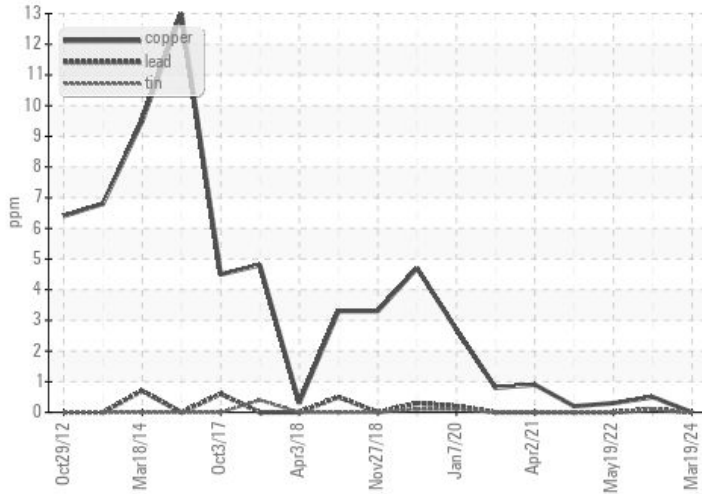


GRAPHS

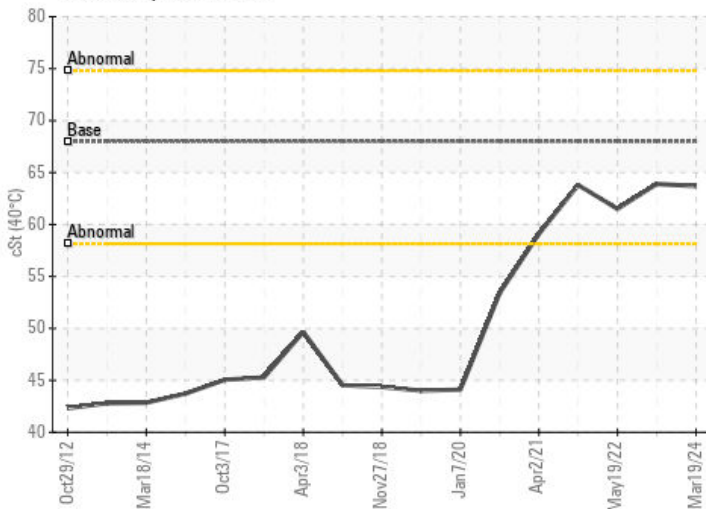
Ferrous Alloys



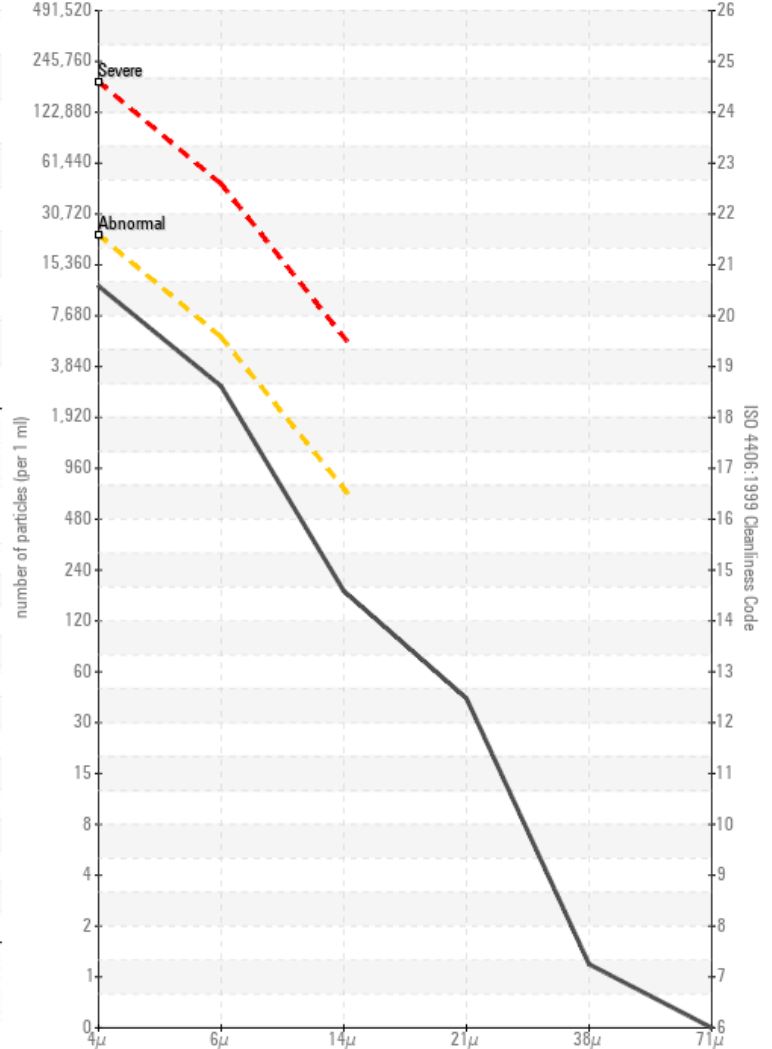
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

