

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347307)] LIEBHERR R934 052025-1550 - Hydraulic System

Sample No: LH0270381
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0270381	LH0239222	LH0239532	LH0227473
Sample Date	27 Jul 2023	15 Nov 2022	27 Jul 2022	09 Mar 2022
Machine Hours	2892	1904	1428	979
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

MOFFATT SCRAP IRON & METAL INC.
 9620 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Paul Brochu
 maintenance@moffatsscrapiron.ca
 T: (905)854-2792
 F: (905)854-1225



OIL CONDITION

Visc @ 40°C	cSt	42.3	42.5	42.8	43.1



CONTAMINATION

Particles >4µm		4801	64030	50614	9944
Particles >6µm		1039	19348	9968	996
Particles >14µm		79	1511	392	25
ISO 4406:1999 (c)		19/17/13	23/21/18	23/20/16	20/17/12
Silicon	ppm	3	3	3	3
Sodium	ppm	3	2	2	2
Potassium	ppm	<1	1	<1	1

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	10	10	9	9
Copper	ppm	8	5	4	3
Lead	ppm	1	<1	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	3	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

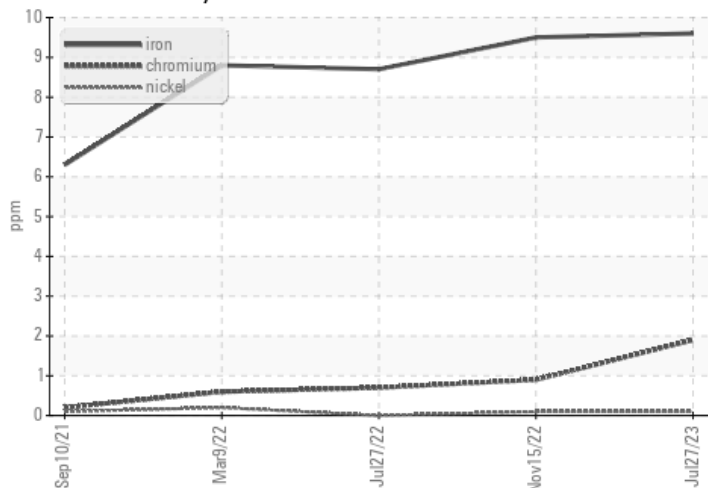
Calcium	ppm	868	968	1030	1074
Magnesium	ppm	10	10	7	4
Zinc	ppm	722	667	688	694
Phosphorus	ppm	640	614	587	639
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: MOFMOF
 Unique No: 5618285
 Signed: Wes Davis
 Report Date: 01 Aug 2023

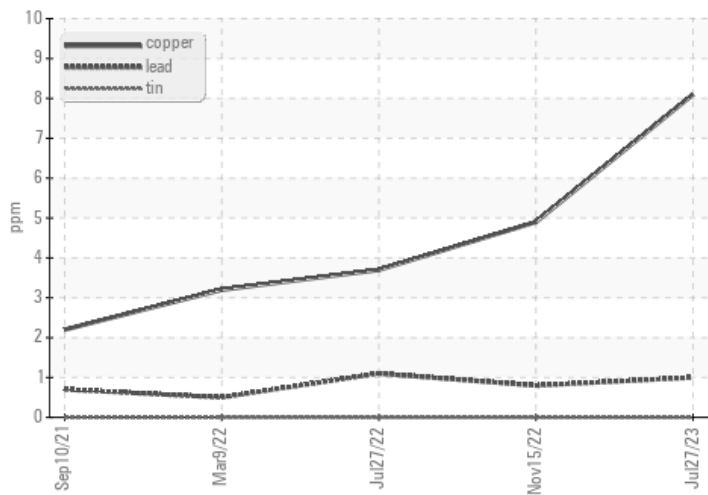


GRAPHS

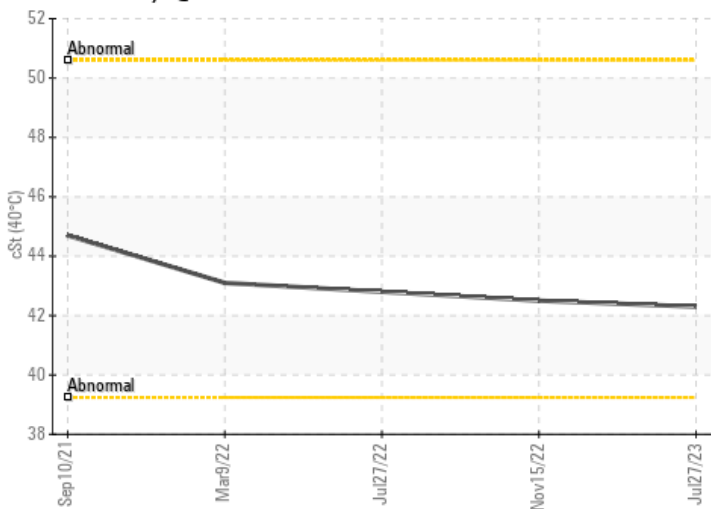
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

