

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 049453-1464 - Hydraulic System

Sample No: LH0278907

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0278907	LH0247478	LH0216017	LH
Sample Date	14 Nov 2023	27 Jan 2023	31 Aug 2022	01 Feb 2022
Machine Hours	9097	7157	6321	4131
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
 Contact: Greg .
 greg@summitagg.com
 T: (226)791-0161
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.6	44.5	43.3	42.3



CONTAMINATION

Particles >4µm		6496	49476	6356	45365
Particles >6µm		977	14941	631	975
Particles >14µm		66	769	38	13
ISO 4406:1999 (c)		20/17/13	23/21/17	20/16/12	23/17/11
Silicon	ppm	3	3	4	8
Sodium	ppm	0	<1	<1	1
Potassium	ppm	0	0	<1	2

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

PQ		0	---	---	0
Iron	ppm	22	13	17	35
Copper	ppm	3	2	3	6
Lead	ppm	3	3	5	9
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	1	2	4
Chromium	ppm	2	1	2	4
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	241	257	343	829
Magnesium	ppm	3	2	2	6
Zinc	ppm	797	821	746	753
Phosphorus	ppm	635	705	592	628
Barium	ppm	<1	0	0	<1
Boron	ppm	<1	<1	<1	<1

Depot: SUMAYR
Unique No: 5681665
Signed: Kevin Marson
Report Date: 16 Nov 2023

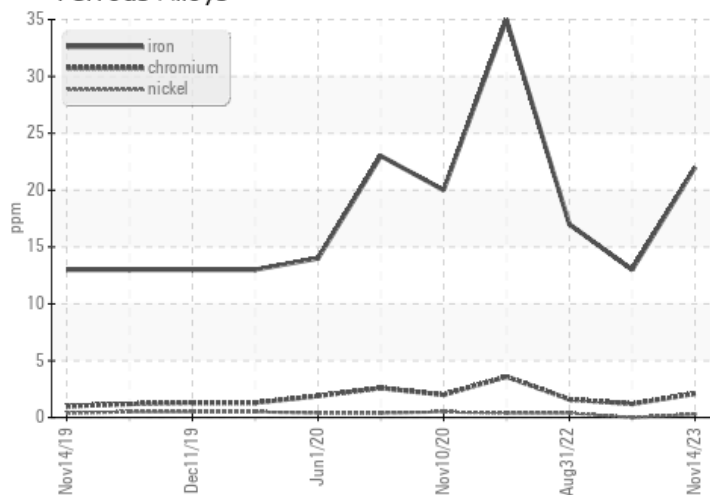
LIEBHERR

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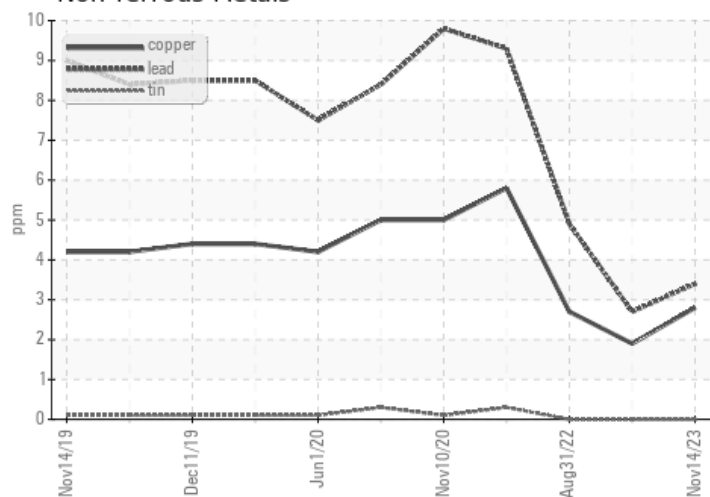


GRAPHS

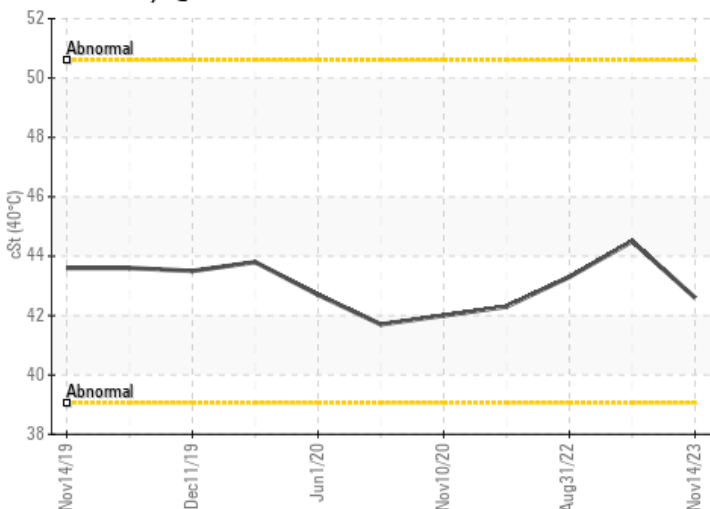
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

