

LIEBHERR

CONSTRUCTION EQUIPMENT



123312-1216 - Hydraulic System

Sample No: LH0270497

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0270497	LH0251785	LH	---
Sample Date	23 Jul 2023	02 Mar 2023	19 Aug 2021	---
Machine Hours	3278	2683	454	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

American Iron and Metal
 3518 DAVIS DRIVE
 EAST GWILLIMBURY, ON
 CA L0G 1E0
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	39.8	42.3	45.3	---
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T:
F:



CONTAMINATION

Particles >4µm		12357	2040	1998	---
Particles >6µm		3495	534	157	---
Particles >14µm		118	29	3	---
ISO 4406:1999 (c)		21/19/14	18/16/12	18/14/9	---
Silicon	ppm	<1	<1	1	---
Sodium	ppm	1	<1	<1	---
Potassium	ppm	<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	19	18	9	---
Copper	ppm	2	2	1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

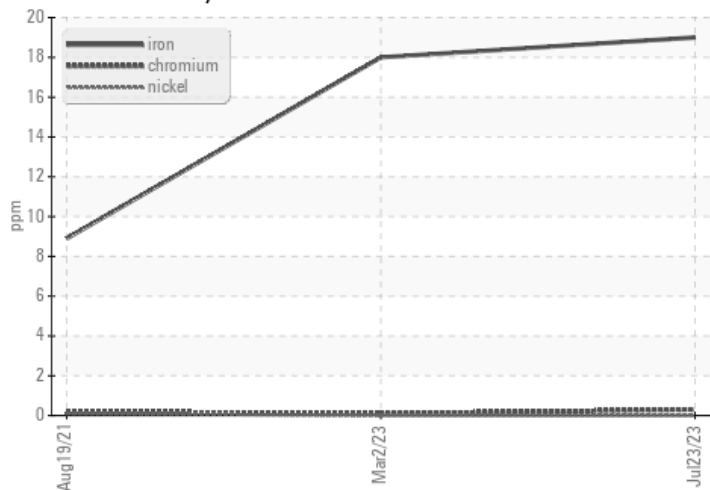
Calcium	ppm	679	871	1318	---
Magnesium	ppm	5	6	7	---
Zinc	ppm	562	600	694	---
Phosphorus	ppm	503	567	642	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	1	<1	---

Depot: AIMEAS
Unique No: 5616746
Signed: Wes Davis
Report Date: 25 Jul 2023

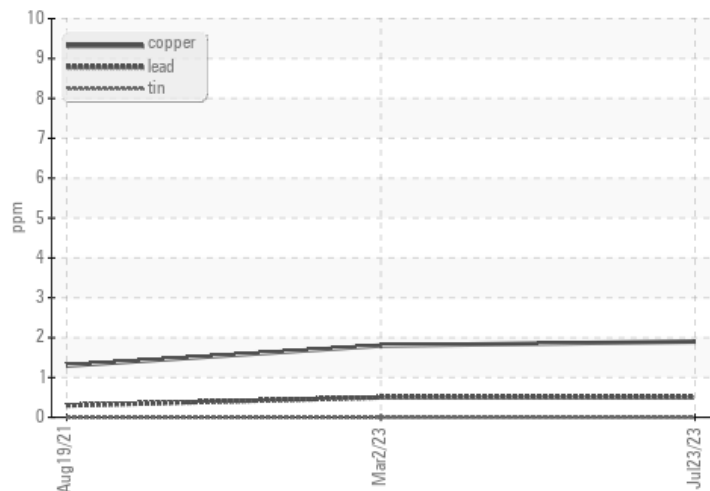


GRAPHS

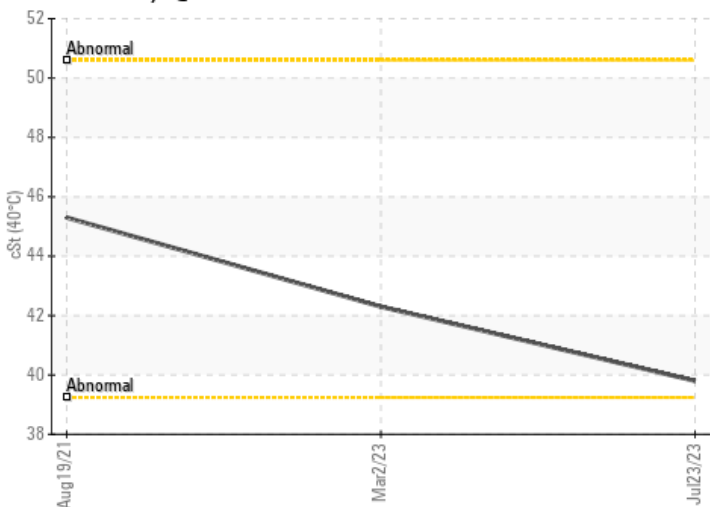
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

