

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 052542-1464 - Hydraulic System

Sample No: LH0258277

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0258277	LH0229818	LH0220876	---
Sample Date	11 Sep 2023	22 Dec 2022	12 Feb 2022	---
Machine Hours	4406	3159	1891	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

RECYCLE MANAGEMENT LLC

1610 S MAIN STREET
HARRISONBURG, VA
US 22801

Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	52.6	45.0	45.0	---
Acid Number (AN)	mg KOH/g	0.65	0.76	1.15	---

T:
F:



CONTAMINATION

Water	%	---	0.052	---	---
Particles >4µm		16053	66859	43922	---
Particles >6µm		363	5549	1135	---
Particles >14µm		15	27	20	---
ISO 4406:1999 (c)		21/16/11	23/20/12	23/17/11	---
Silicon	ppm	5	5	4	---
Sodium	ppm	<1	0	0	---
Potassium	ppm	0	2	0	---

Diagnosis

Resample at the next service interval to monitor. 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	12	20	11	---
Copper	ppm	1	4	4	---
Lead	ppm	2	5	5	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	5	8	3	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

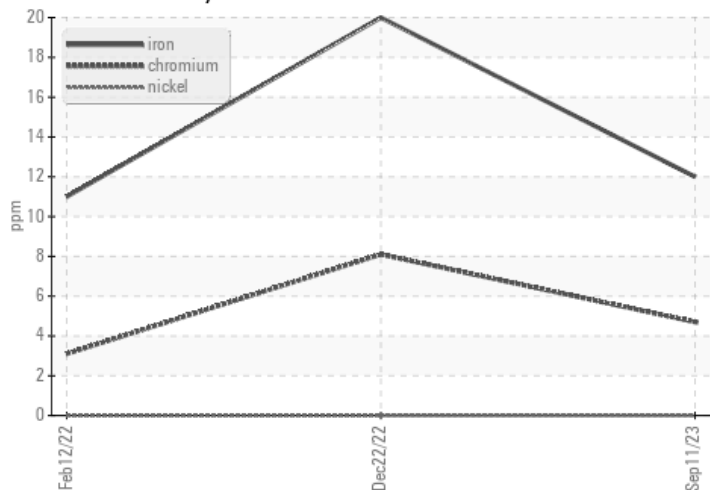
Calcium	ppm	796	942	1481	---
Magnesium	ppm	2	5	7	---
Zinc	ppm	545	599	628	---
Phosphorus	ppm	457	480	598	---
Barium	ppm	0	<1	0	---
Boron	ppm	0	0	1	---

Depot: RECHARVA
Unique No: 10735967
Signed: Wes Davis
Report Date: 09 Nov 2023

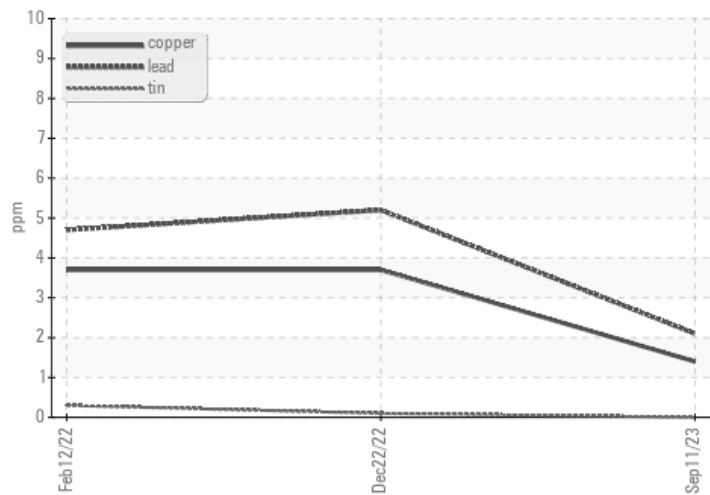


GRAPHS

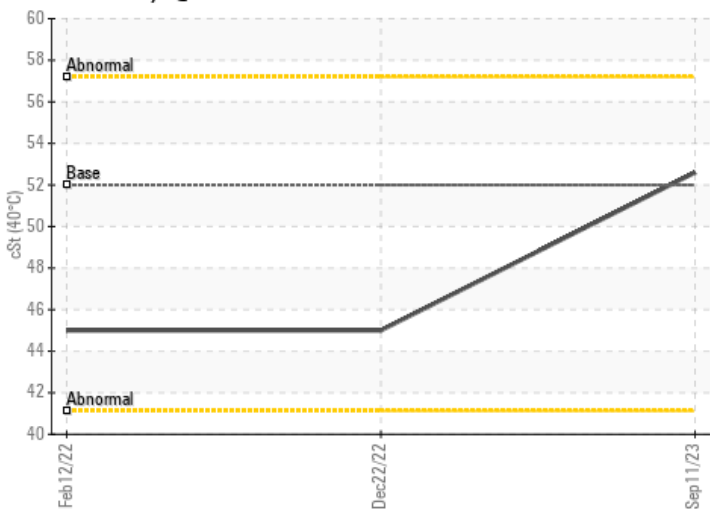
Ferrous Alloys



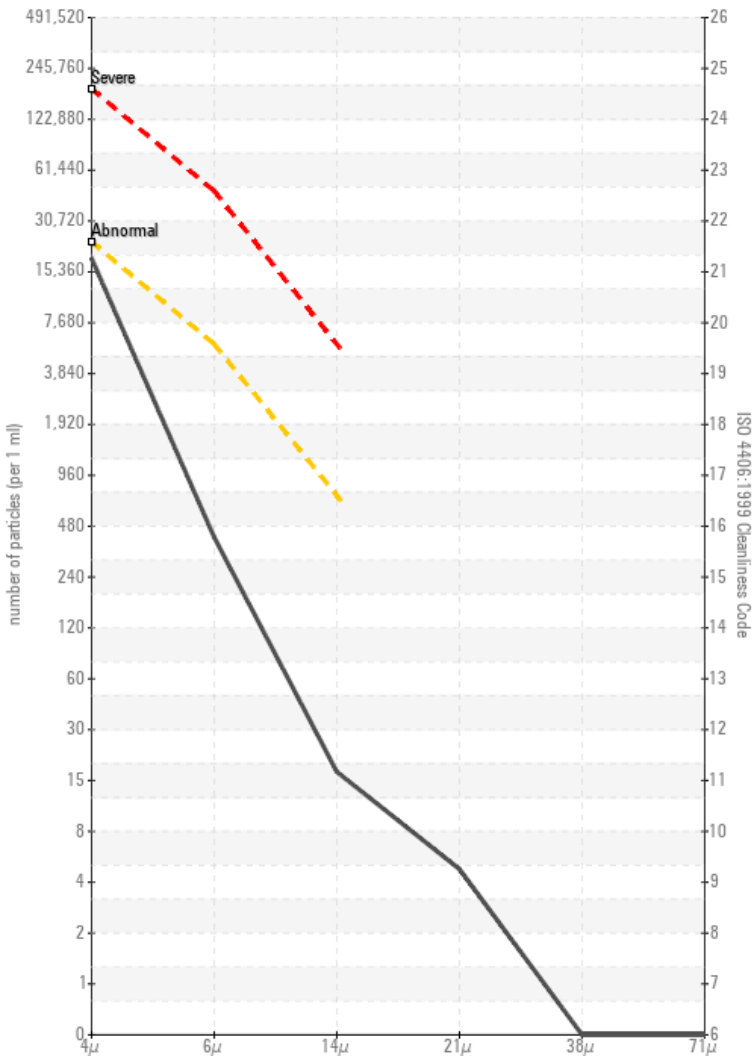
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

