

LIEBHERR

CONSTRUCTION EQUIPMENT



[SOLETANCHE [604374]] LIEBHERR HS8100 186028 - Hydraulic System

Sample No: LH0274821

Oil Type: PETRO CANADA HYDREX AW 46

SOLETANCHE BACHY CANADA
3 STUDEBAKER PLACE
HAMILTON, ON
CA L8L 0C8
Contact: Mikael Christensen
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T: (905)528-7924
F:

Diagnosis

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. Light concentration of visible metal present. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate.



Sample Information

Sample Number		LH0274821	LH0192770	---	---
Sample Date		06 Apr 2024	09 Feb 2022	---	---
Machine Hours		2891	541	---	---
Oil Hours		0	0	---	---
Oil Changed		N/A	Not Changd	---	---
Sample Status		MARGINAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	36.1	● 36.3	---	---
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Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		● 4696	● 2036	---	---
Particles >6µm		● 1192	● 409	---	---
Particles >14µm		● 87	● 24	---	---
ISO 4406:1999 (c)		19/17/14	18/16/12	---	---
Silicon	ppm	● 1	● 3	---	---
Sodium	ppm	● <1	● 0	---	---
Potassium	ppm	● <1	● <1	---	---



Wear Metals

Iron	ppm	● 2	● <1	---	---
Copper	ppm	● 7	● 3	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● 0	● 0	---	---
Chromium	ppm	● 0	0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● 0	---	---
Vanadium	ppm	0	0	---	---



Additives

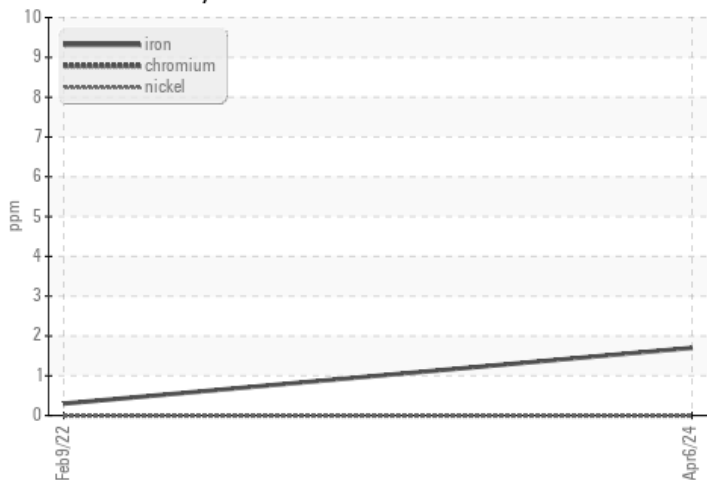
Calcium	ppm	● 283	● 290	---	---
Magnesium	ppm	● 11	● 12	---	---
Zinc	ppm	● 406	● 364	---	---
Phosphorus	ppm	● 342	● 332	---	---
Barium	ppm	● <1	● 0	---	---
Boron	ppm	● 7	● 8	---	---

Depot: SOLHAM
 Unique No: 5761040
 Signed: Kevin Marson
 Report Date: 11 Apr 2024

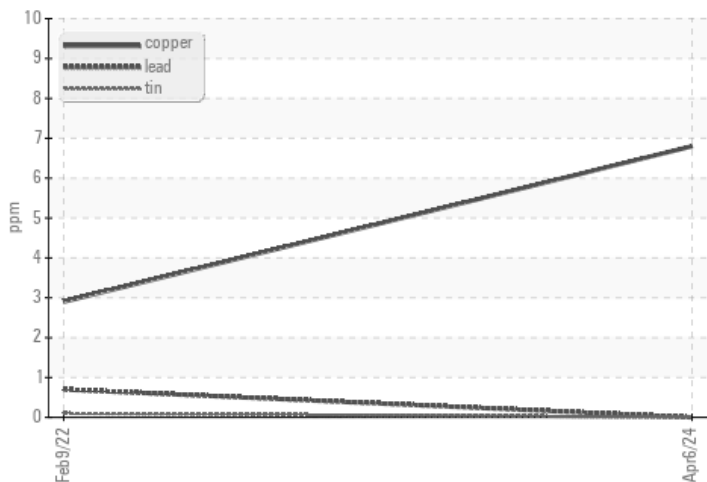


Graphs

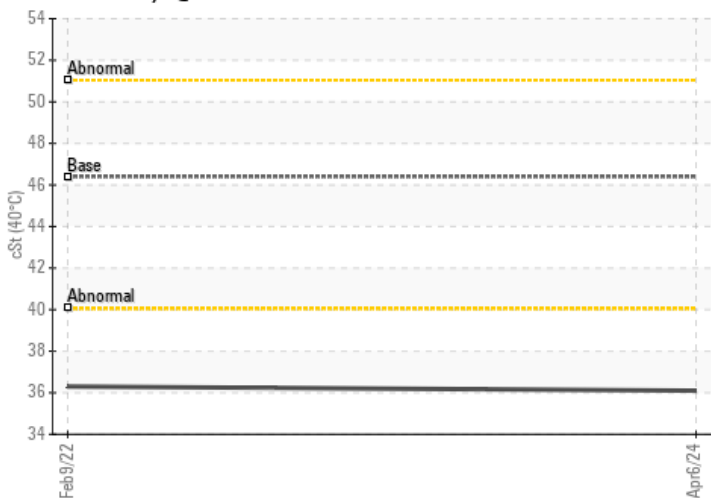
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

