

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R938 055887-1650 - Hydraulic System

Sample No: LH0284035

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



POSCHNER CONSTRUCTION LTD.
5400 72ND STREET
DELTA, BC
CA V4K 3N3
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0284035	LH0250607	LH0226547	---
Sample Date	27 Feb 2024	14 Sep 2023	16 Mar 2023	---
Machine Hours	1537	986	512	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	40.7	41.7	42.6	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1904	13932	1276	---
Particles >6µm		338	3557	217	---
Particles >14µm		22	243	16	---
ISO 4406:1999 (c)		18/16/12	21/19/15	17/15/11	---
Silicon	ppm	3	8	3	---
Sodium	ppm	3	2	2	---
Potassium	ppm	3	18	<1	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	7	6	---
Copper	ppm	6	6	4	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

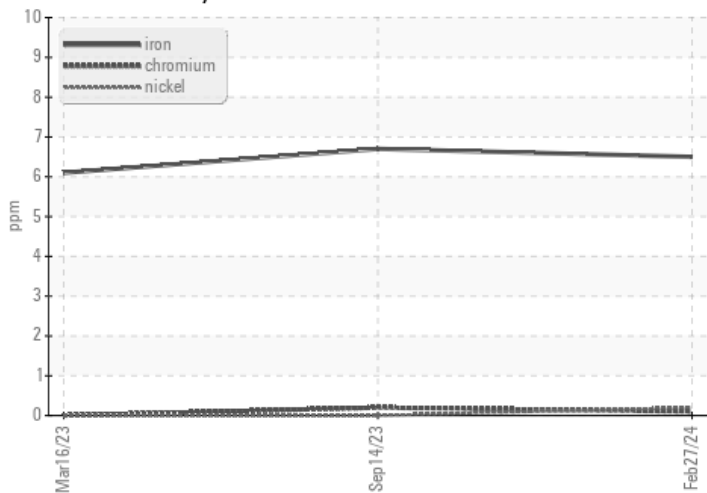
Calcium	ppm	1138	1329	1493	---
Magnesium	ppm	4	4	4	---
Zinc	ppm	646	700	698	---
Phosphorus	ppm	583	665	694	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	0	<1	---

Depot: REGDEL
Unique No: 5746228
Signed: Wes Davis
Report Date: 12 Mar 2024

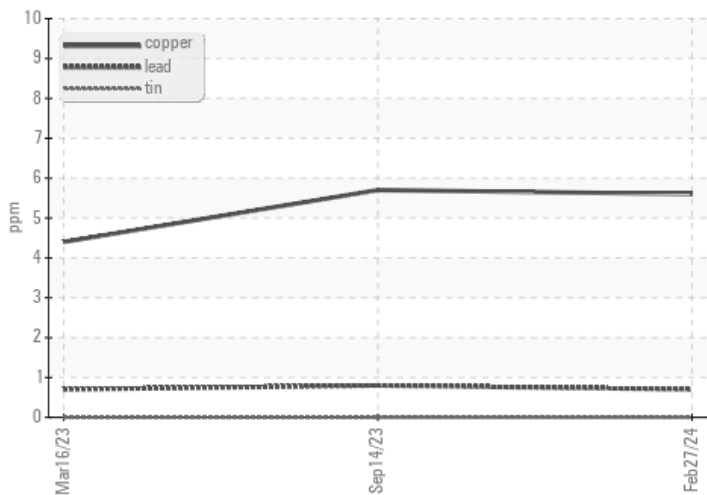


GRAPHS

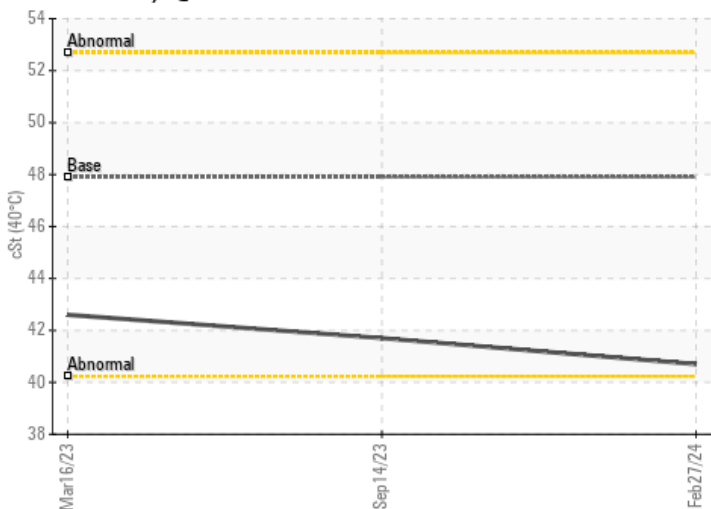
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

