

LIEBHERR

CONSTRUCTION EQUIPMENT



[(358628)] LIEBHERR R914 047334-1511 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH	LH0261015	LH0250909	LH0243004
Sample Date	23 Nov 2023	05 Jun 2023	27 Jan 2023	12 Jan 2023
Machine Hours	3825	3900	2750	2742
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

L.A.H. EQUIPMENT INC.

9700 PLACE JADE

BROSSARD, QC

CA J4Y 3C1

Contact: Sylvain Allard

sylvain.allard@lahebert.ca

T: (450)444-4847

F: (450)444-3578



OIL CONDITION

Visc @ 40°C	cSt	44.2	45.5	45.8	44.9



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		48183	16052	2323	2003
Particles >6µm		4948	2617	346	202
Particles >14µm		30	166	19	8
ISO 4406:1999 (c)		23/19/12	21/19/15	18/16/11	18/15/10
Silicon	ppm	2	1	1	4
Sodium	ppm	1	<1	<1	2
Potassium	ppm	0	<1	<1	<1

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	13	7	5	11
Copper	ppm	3	2	2	4
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	406	279	294	545
Magnesium	ppm	3	4	4	5
Zinc	ppm	711	667	766	656
Phosphorus	ppm	571	586	647	580
Barium	ppm	<1	0	0	0
Boron	ppm	4	<1	<1	1

Depot: LAHBRO

Unique No: 5684114

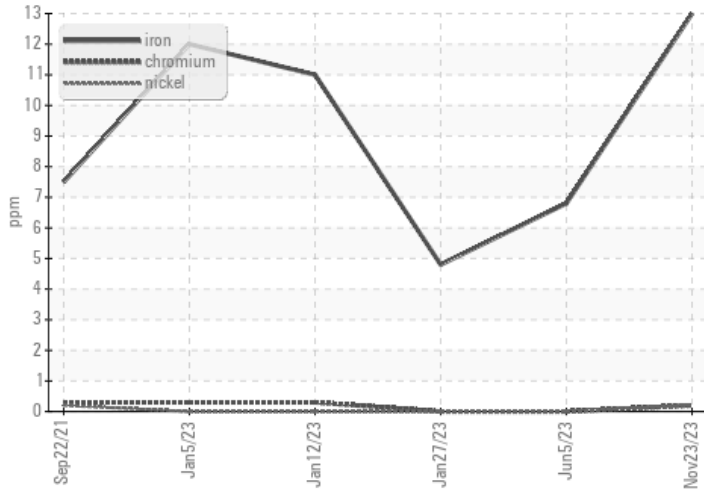
Signed: Wes Davis

Report Date: 28 Nov 2023

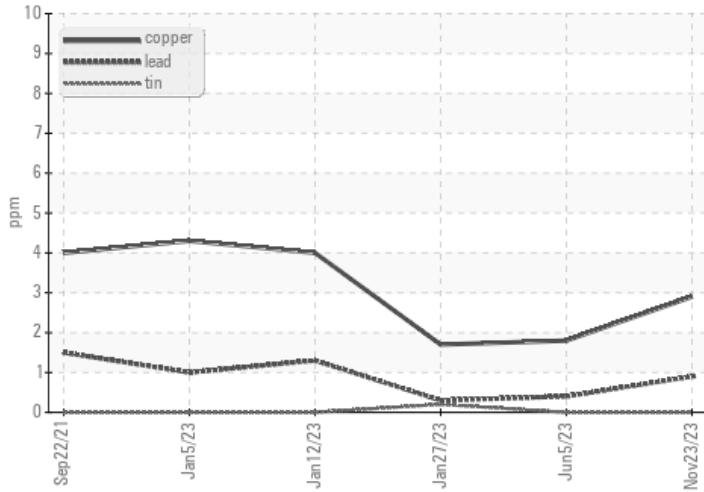


GRAPHS

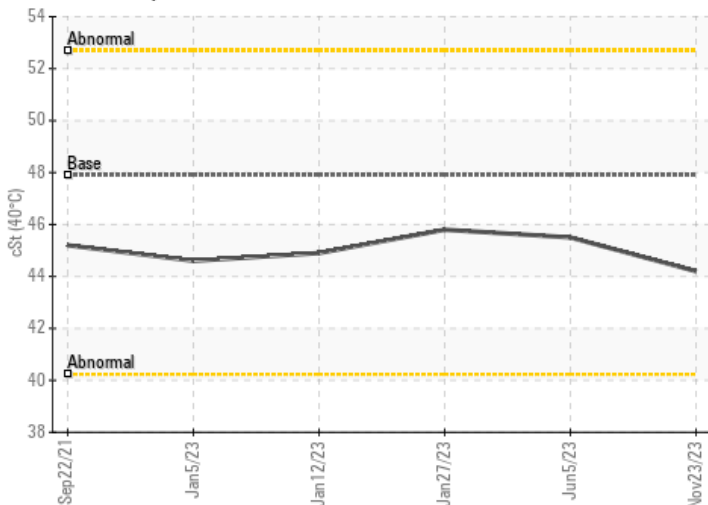
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

