

LIEBHERR

CONSTRUCTION EQUIPMENT



062154-1049 - Hydraulic System

Sample No: LH0123032

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0123032	LH0192904	LH0222351	LH0215987
Sample Date	26 Oct 2023	22 Jun 2023	10 May 2022	11 Nov 2021
Machine Hours	12421	12090	11897	11462
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	ATTENTION	NORMAL

American Iron and Metal

2555 Sheffield Road
Ottawa, ON
CA K1B 3V6
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OIL CONDITION

Visc @ 40°C	cSt	46.4	48.3	48.6	43.7



CONTAMINATION

Particles >4µm		23085	13036	23765	10731
Particles >6µm		3097	2519	1010	1663
Particles >14µm		50	81	79	54
ISO 4406:1999 (c)		22/19/13	21/19/14	22/17/13	21/18/13
Silicon	ppm	1	1	1	<1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	<1	<1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	7	6	6	4
Copper	ppm	2	2	1	1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	1	1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

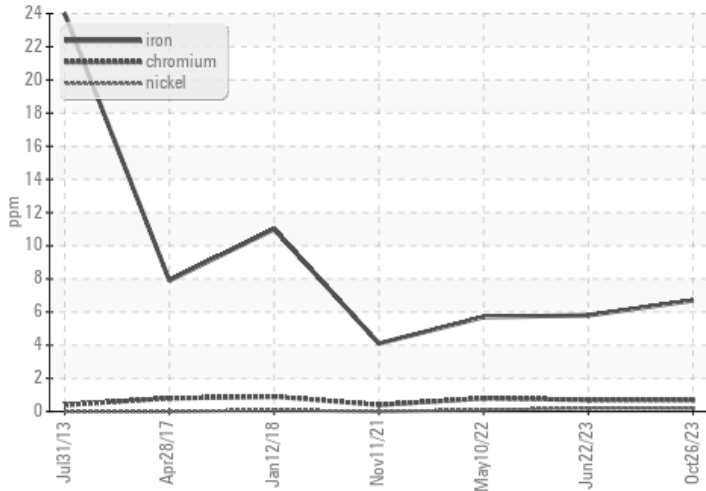
Calcium	ppm	269	184	182	206
Magnesium	ppm	7	12	8	6
Zinc	ppm	579	583	617	685
Phosphorus	ppm	483	496	528	575
Barium	ppm	<1	0	0	0
Boron	ppm	2	3	3	2

Depot: BAKOTT
Unique No: 5670415
Signed: Wes Davis
Report Date: 02 Nov 2023

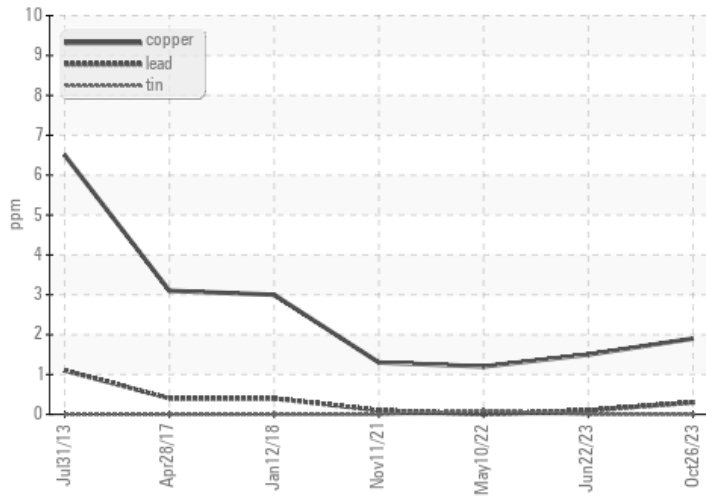


GRAPHS

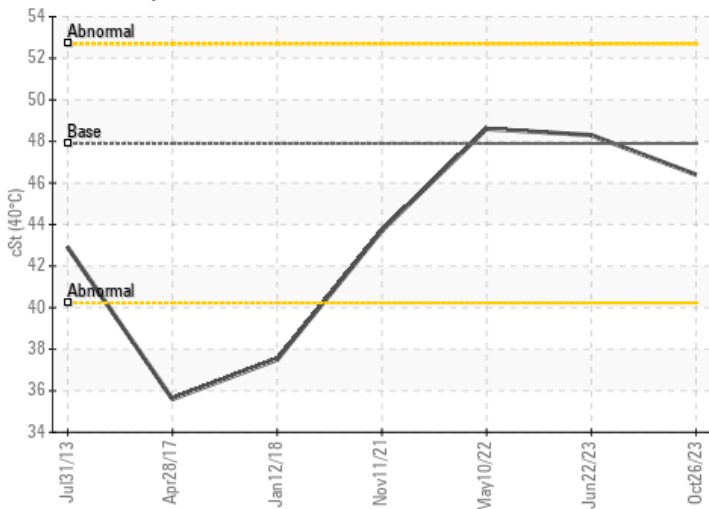
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

