

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904 034972-710 - Hydraulic System

Sample No: LH0281054

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0281054	LH0226771	LH0140269	LH0110688
Sample Date	09 Feb 2024	19 May 2022	12 Apr 2019	08 Feb 2017
Machine Hours	25248	23717	21513	18697
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ATTENTION	NORMAL	NORMAL

Rypac Aluminum Recycling

11849 Tannery Road

Surrey, BC

CA V3V 3W8

Contact: Craig Merritt

rypac2@shaw.ca

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OIL CONDITION

Visc @ 40°C	cSt	43.2	44.2	43.8	43.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		79783	27440	18081	12298
Particles >6µm		2155	955	258	859
Particles >14µm		19	27	7	29
ISO 4406:1999 (c)		23/18/11	22/17/12	21/15/10	21/17/12
Silicon	ppm	2	1	2	2
Sodium	ppm	<1	<1	<1	1
Potassium	ppm	2	<1	0	<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	20	29	38	58
Copper	ppm	3	3	3	4
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	5	9	6	6
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	72	58	75	119
Magnesium	ppm	2	2	2	2
Zinc	ppm	532	405	384	328
Phosphorus	ppm	436	342	306	257
Barium	ppm	0	0	0	0
Boron	ppm	1	<1	<1	<1

Depot: RYPSUR

Unique No: 5724780

Signed: Wes Davis

Report Date: 15 Feb 2024

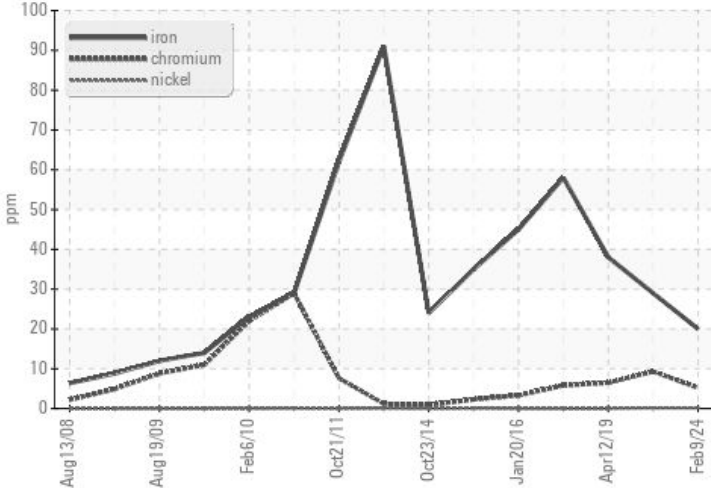
LIEBHERR

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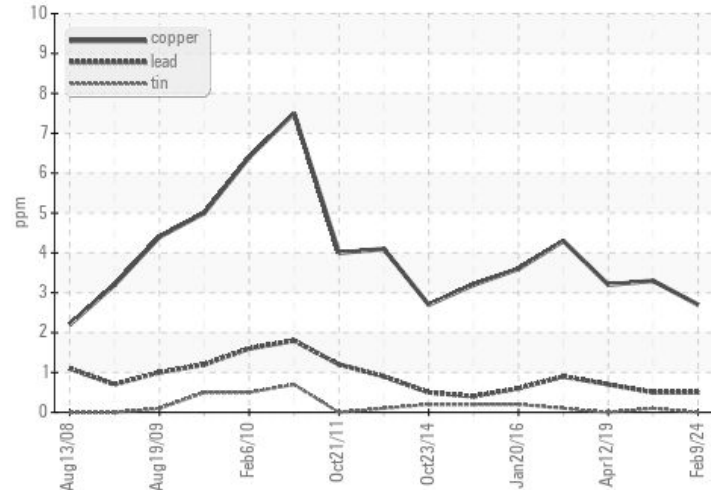


GRAPHS

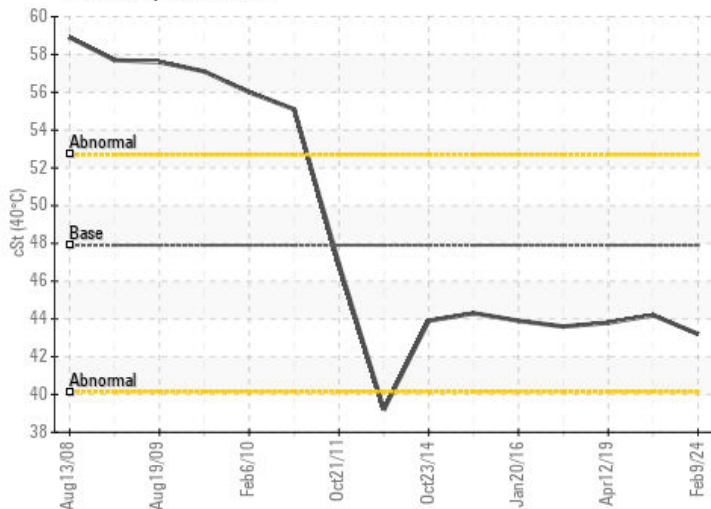
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

