

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR BP5210 - Hydraulic System

Sample No: LH0250484

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

Sample Number	LH0250484	LH0240785	LH0192046	LH0192042
Sample Date	17 May 2023	06 Feb 2023	30 Mar 2022	09 Jan 2022
Machine Hours	0	1629	2112	1870
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	ATTENTION	ATTENTION	SEVERE	SEVERE

Radius Recycling Canada Ltd.

12195 Musqueam Dr.

Surrey, BC

CA V3V 3T2

Contact: Chris Trinkunas

ctrinkunas@rdus.com

T:

F: (604)580-1922



OIL CONDITION

Visc @ 40°C	cSt	44.2	46.2	44.1	43.5



CONTAMINATION

Particles >4µm		9562	6779	174874	55431
Particles >6µm		896	269	62229	3105
Particles >14µm		52	9	144	6
ISO 4406:1999 (c)		20/17/13	20/15/10	25/23/14	23/19/10
Silicon	ppm	<1	1	15	1
Sodium	ppm	<1	0	1	0
Potassium	ppm	<1	0	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

PQ		---	---	0	---
Iron	ppm	<1	2	26	2
Copper	ppm	1	2	16	2
Lead	ppm	0	<1	3	<1
Tin	ppm	0	0	1	<1
Aluminum	ppm	<1	1	12	1
Chromium	ppm	<1	1	17	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	28	61	80	26
Magnesium	ppm	2	4	2	4
Zinc	ppm	166	419	381	73
Phosphorus	ppm	538	359	321	600
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	2

Depot: AMISUR

Unique No: 5629647

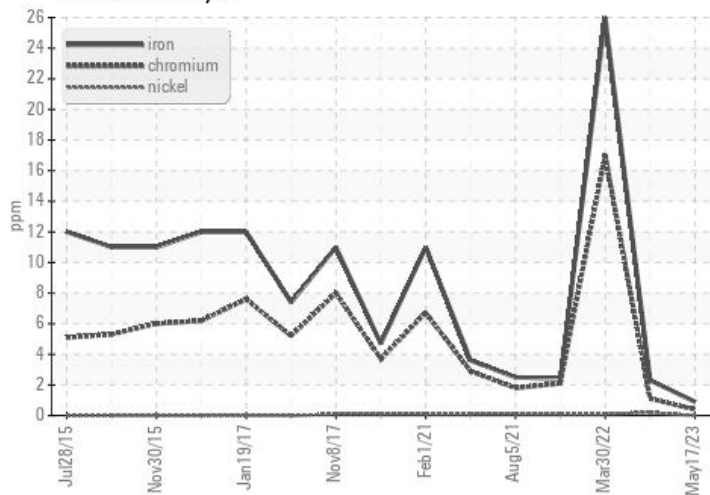
Signed: Kevin Marson

Report Date: 21 Aug 2023

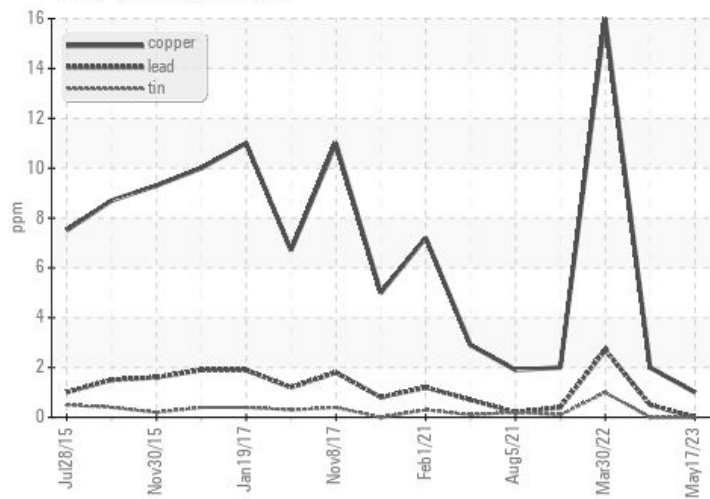


GRAPHS

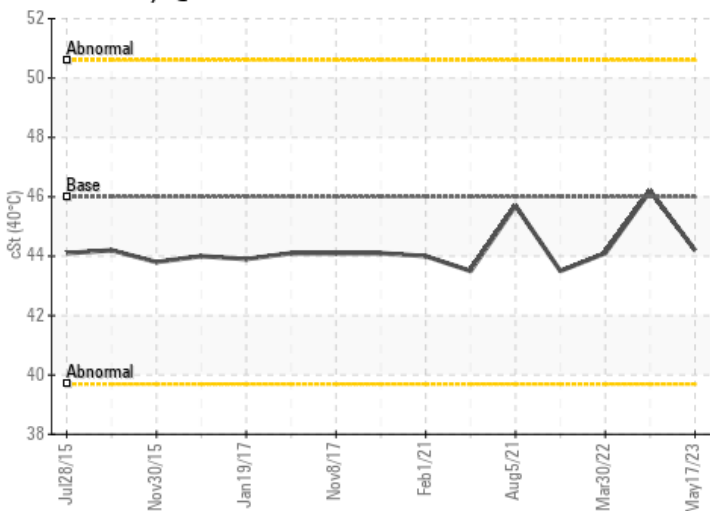
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

