

LIEBHERR

CONSTRUCTION EQUIPMENT



[WEST COAST METAL] LIEBHERR R924 041508 - Hydraulic Sys

Sample No: LH0281034

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0281034	LH0250589	LH0246934	LH0238677
Sample Date	26 Jan 2024	14 Sep 2023	09 Feb 2023	18 Oct 2022
Machine Hours	14115	13615	12736	12262
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	ATTENTION	NORMAL

West Coast Metal Recycling
 5771 Production Way
 Langley, BC
 CA V3A 4N5
 Contact: Terry .
 terry@gotmetal.ca
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.7	43.4	44.2	43.0



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		45506	9714	38160	4331
Particles >6µm		4278	780	7210	267
Particles >14µm		397	18	291	13
ISO 4406:1999 (c)		23/19/16	20/17/11	22/20/15	19/15/11
Silicon	ppm	1	1	2	1
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	<1	<1	0	<1

Diagnosis



WEAR METALS

Iron	ppm	8	4	8	16
Copper	ppm	<1	1	2	5
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	57	66	66	65
Magnesium	ppm	1	3	2	2
Zinc	ppm	423	440	427	460
Phosphorus	ppm	340	362	375	400
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	1	1

Depot: WES577LAN
Unique No: 5721965
Signed: Bill Quesnel
Report Date: 03 Feb 2024

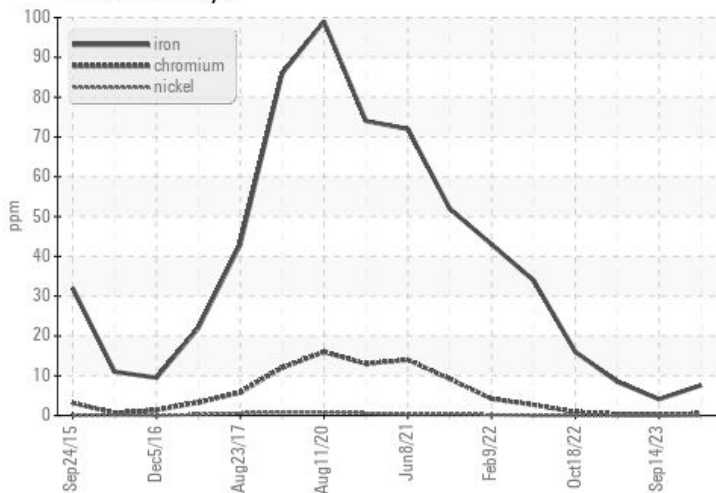
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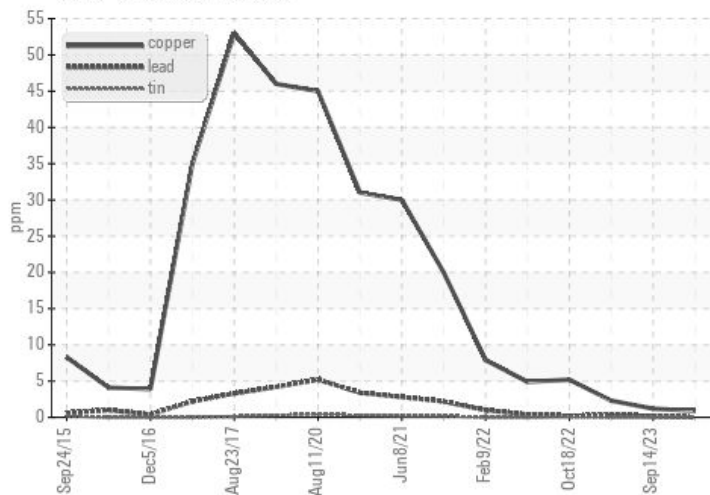


GRAPHS

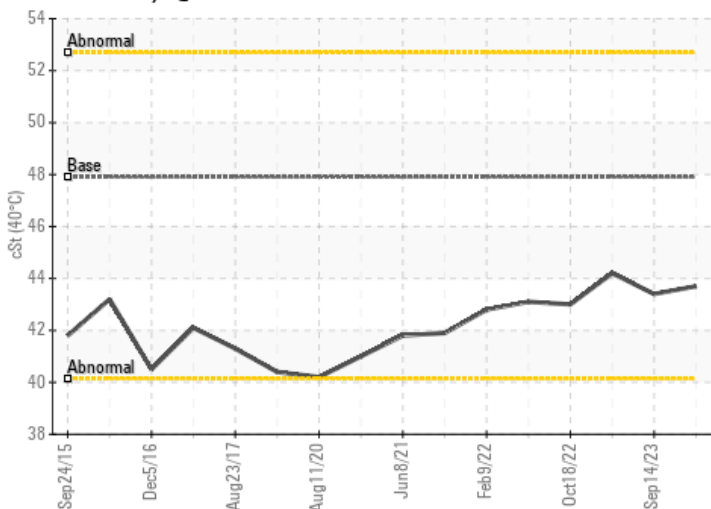
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

