

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340290)] LIEBHERR L586 059132-1334 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH	LH	LH0249897	LH0224010
Sample Date	10 Jan 2024	06 Nov 2023	12 Jul 2023	31 Mar 2023
Machine Hours	0	17000	15582	14557
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	SEVERE

NEXOLIA, CHAPAIS ENERGIE SEC
 140 RUE DE LA CONGENERATION
 CHAPAIS, QC
 CA G0W 1H0
 Contact: Carl Adams



OIL CONDITION

Visc @ 40°C	cSt	42.9	43.4	43.8	43.2

T: (418)745-2521
 F: (418)745-3680



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		16272	99966	32269	32084
Particles >6µm		901	12120	5533	3940
Particles >14µm		66	7	281	295
ISO 4406:1999 (c)		21/17/13	24/21/10	22/20/15	22/19/15
Silicon	ppm	3	3	2	3
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	1	1	1

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

PQ		---	---	5	4
Iron	ppm	42	31	64	121
Copper	ppm	1	1	2	3
Lead	ppm	<1	<1	1	2
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	1	<1	1
Chromium	ppm	5	4	5	9
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	96	95	100	105
Magnesium	ppm	1	<1	<1	1
Zinc	ppm	63	70	273	70
Phosphorus	ppm	168	170	321	202
Barium	ppm	0	<1	0	0
Boron	ppm	0	<1	<1	<1

Depot: CHA140CHA
 Unique No: 5710521
 Signed: Kevin Marson
 Report Date: 19 Jan 2024

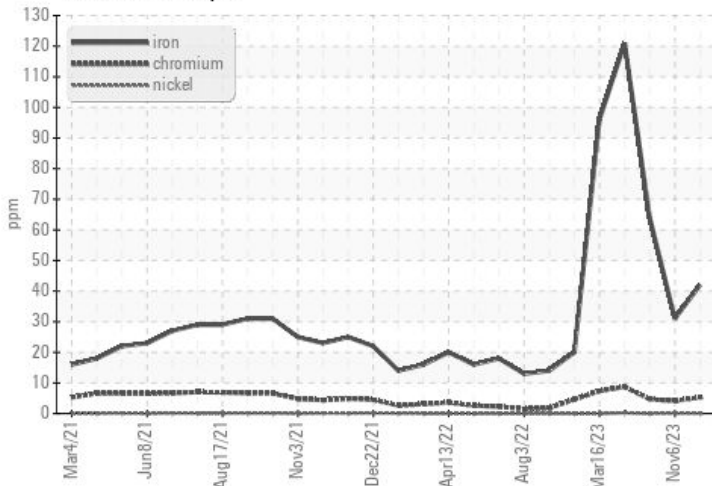
LIEBHERR

CONSTRUCTION EQUIPMENT

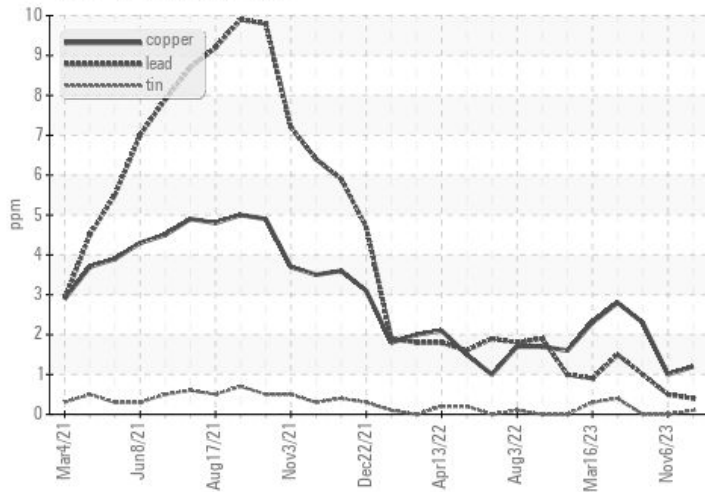


GRAPHS

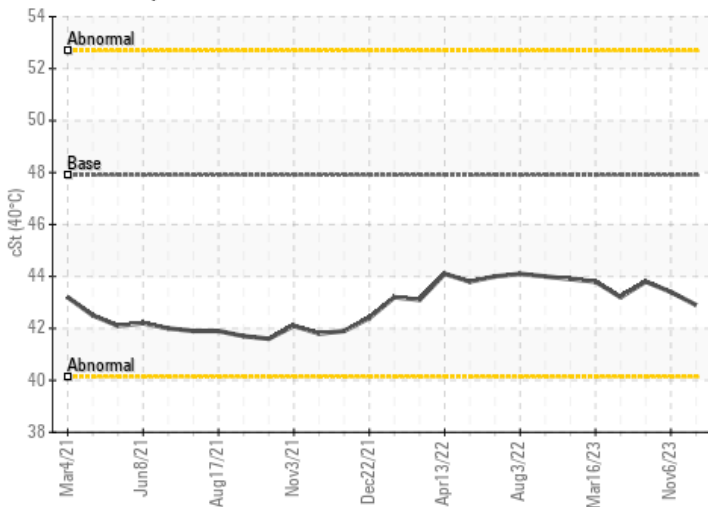
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

