

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 065053-1007 - Hydraulic System

Sample No: LH0274019

Oil Type: IRVING HYDRAULIC OIL LP 46



CHALEUR SAWMILLS L.P.

1921 MAIN STREET

BELLEDUNE, NB

CA E8G 2H8

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SAMPLE INFORMATION

Sample Number	LH0274019	LH0195012	LH	LH0175373
Sample Date	11 Dec 2023	24 May 2022	16 Feb 2021	15 Sep 2020
Machine Hours	30900	29700	28727	27771
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	38.3	32.4	31.5	31.2



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		10235	82475	4504	16413
Particles >6µm		129	13187	980	1580
Particles >14µm		5	103	65	102
ISO 4406:1999 (c)		21/14/10	24/21/14	19/17/13	21/18/14
Silicon	ppm	1	3	1	<1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	11	11	5	5
Copper	ppm	3	4	2	2
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	1	2	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	153	100	97	116
Magnesium	ppm	11	6	7	8
Zinc	ppm	449	426	443	440
Phosphorus	ppm	371	364	346	363
Barium	ppm	0	0	0	<1
Boron	ppm	6	4	4	4

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: CHABEL

Unique No: 5697754

Signed: Wes Davis

Report Date: 22 Dec 2023

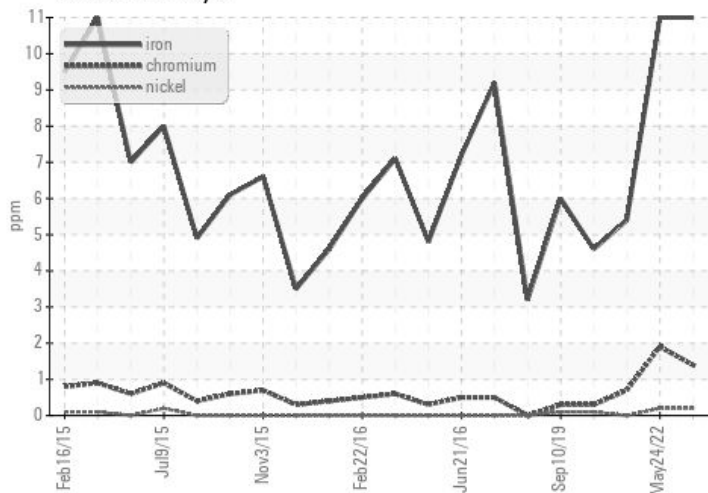
LIEBHERR

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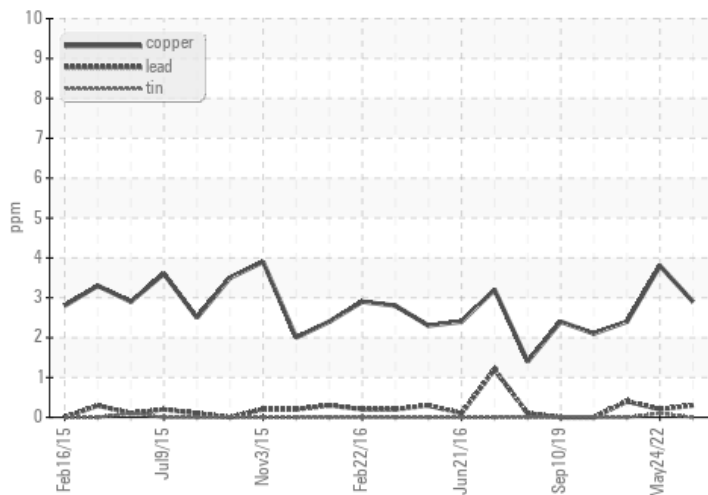


GRAPHS

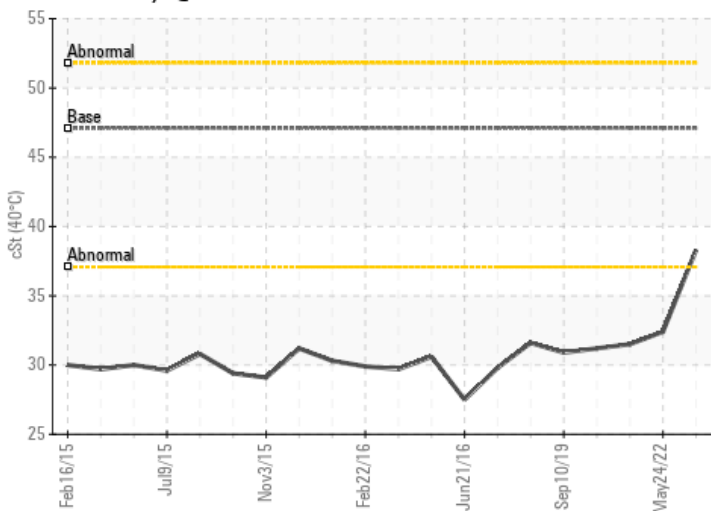
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

