LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR L566 053535-1484 - Hydraulic System

Sample No: LH0261064

Oil Type: AW HYDRAULIC OIL ISO 32

Les Entreprises Forestieres V. Labranche Inc.
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SAMPLE INFORMATION

Sample Number		**LH0261064**	LH0152876	LH0152850	---
Sample Date		**24 Jul 2023**	03 Oct 2020	28 Feb 2020	---
Machine Hours		**15943**	4294	2150	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Changed	Not Changd	---
Sample Status		**NORMAL**	NORMAL	SEVERE	---

OIL CONDITION

Visc @ 40°C	cSt	**32.9**	40.8	41.6	---
Acid Number (AN)	mg KOH/g	**---**	1.39	1.52	---

CONTAMINATION

Particles >4µm		**2752**	3247	167881	---
Particles >6µm		**771**	206	60213	---
Particles >14µm		**60**	11	627	---
ISO 4406:1999 (c)		**19/17/13**	19/15/11	25/23/16	---
Silicon	ppm	**1**	2	8	---
Sodium	ppm	**3**	2	15	---
Potassium	ppm	**<1**	1	2	---

WEAR METALS

PQ		**---**	---	18.0	---
Iron	ppm	**8**	10	23	---
Copper	ppm	**1**	4	3	---
Lead	ppm	**<1**	7	<1	---
Tin	ppm	**0**	0	0	---
Aluminum	ppm	**<1**	<1	1	---
Chromium	ppm	**2**	2	<1	---
Molybdenum	ppm	**<1**	<1	0	---
Nickel	ppm	**0**	<1	<1	---
Titanium	ppm	**0**	0	<1	---
Silver	ppm	**0**	<1	<1	---
Manganese	ppm	**<1**	<1	<1	---
Vanadium	ppm	**0**	0	<1	---

ADDITIVES

Calcium	ppm	**127**	1148	3571	---
Magnesium	ppm	**127**	8	7	---
Zinc	ppm	**541**	694	1494	---
Phosphorus	ppm	**479**	567	1209	---
Barium	ppm	**0**	<1	<1	---
Boron	ppm	**<1**	<1	109	---

Diagnosis

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. L`état de l`huile est acceptable pour la durée de service.

Depot: LABTEM
Unique No: 5618038
Signed: Kevin Marson
Report Date: 31 Jul 2023

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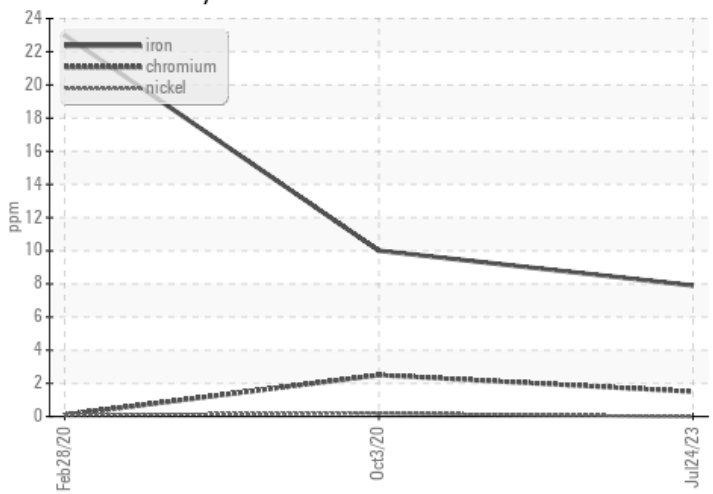
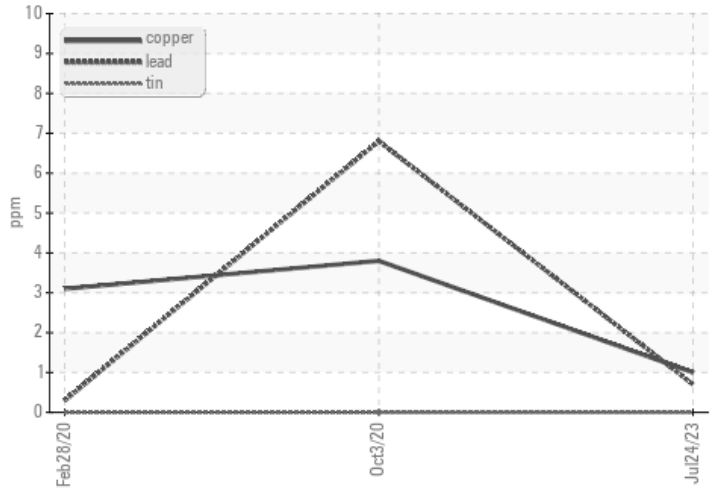
GRAPHS

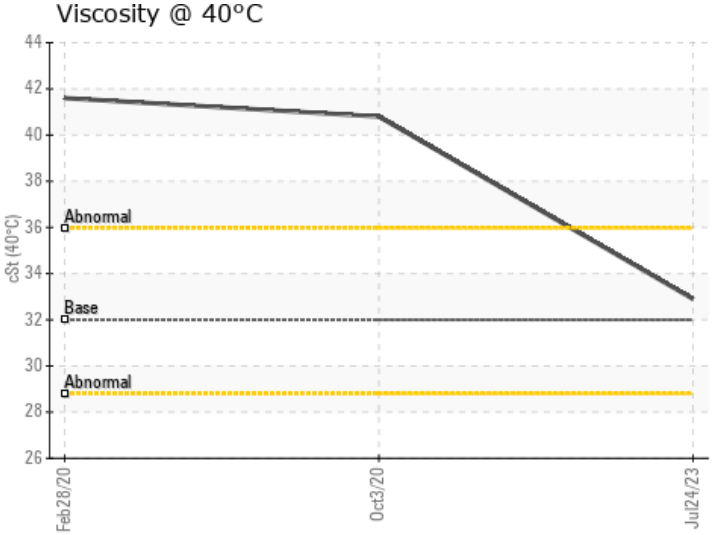
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count