

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 146092-1253 - Hydraulic System

Sample No: LH0257263

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



9341-2906 QUEBEC INC. - Forestiers JRM Inc
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Ferland-et-Boilleau, QC
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Sample Information

Sample Number	LH0257263	LH0257239	LH0257227	---
Sample Date	06 May 2024	27 Nov 2023	24 Jul 2023	---
Machine Hours	3586	2100	950	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ABNORMAL	SEVERE	SEVERE	---



Oil Condition

Visc @ 40°C	cSt	42.2	45.4	52.4	---
Acid Number (AN)	mg KOH/g	1.33	1.42	1.78	---



Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		4932	139557	147591	---
Particles >6µm		207	59382	80783	---
Particles >14µm		20	519	639	---
ISO 4406:1999 (c)		19/15/11	24/23/16	24/24/16	---
Silicon	ppm	3	3	4	---
Sodium	ppm	2	2	2	---
Potassium	ppm	<1	<1	2	---



Wear Metals

PQ		0	---	22	---
Iron	ppm	75	44	62	---
Copper	ppm	5	7	14	---
Lead	ppm	0	1	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	1	<1	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	806	778	1182	---
Magnesium	ppm	3	2	4	---
Zinc	ppm	770	741	616	---
Phosphorus	ppm	636	689	923	---
Barium	ppm	0	<1	1	---
Boron	ppm	<1	1	2	---

Diagnosis

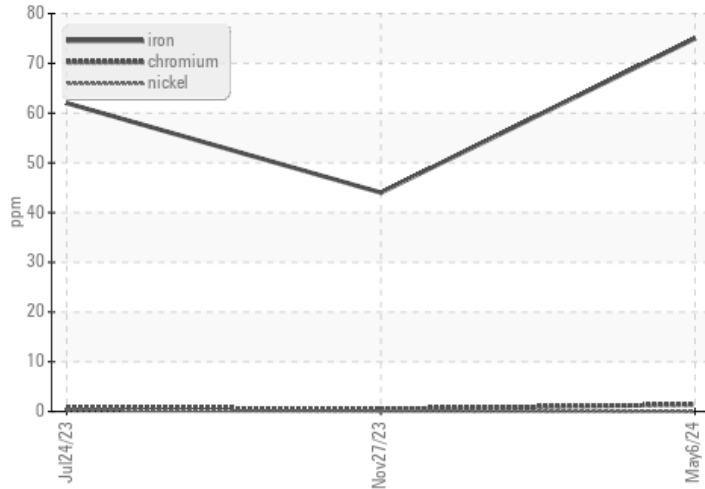
Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le taux de fer est anormal. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. Le AN est acceptable pour ce fluide. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Depot: FOR491FER
Unique No: 5776109
Signed: Kevin Marson
Report Date: 15 May 2024

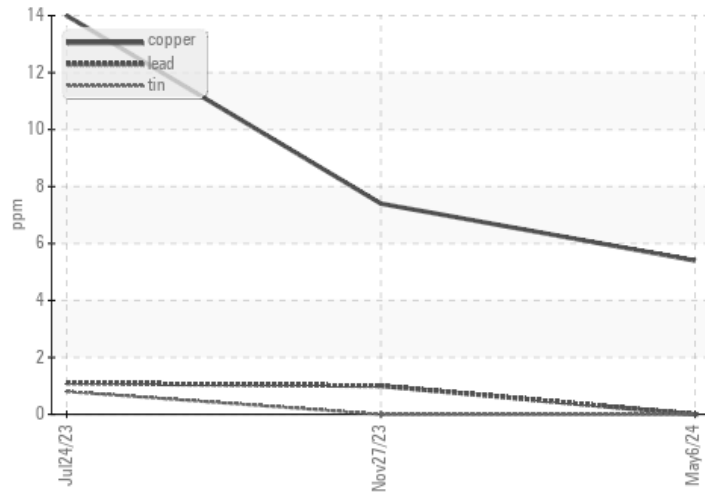


Graphs

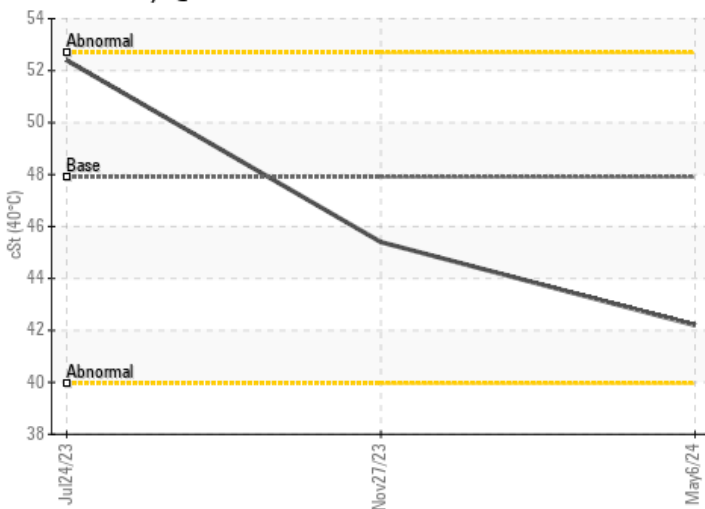
● Ferrous Alloys



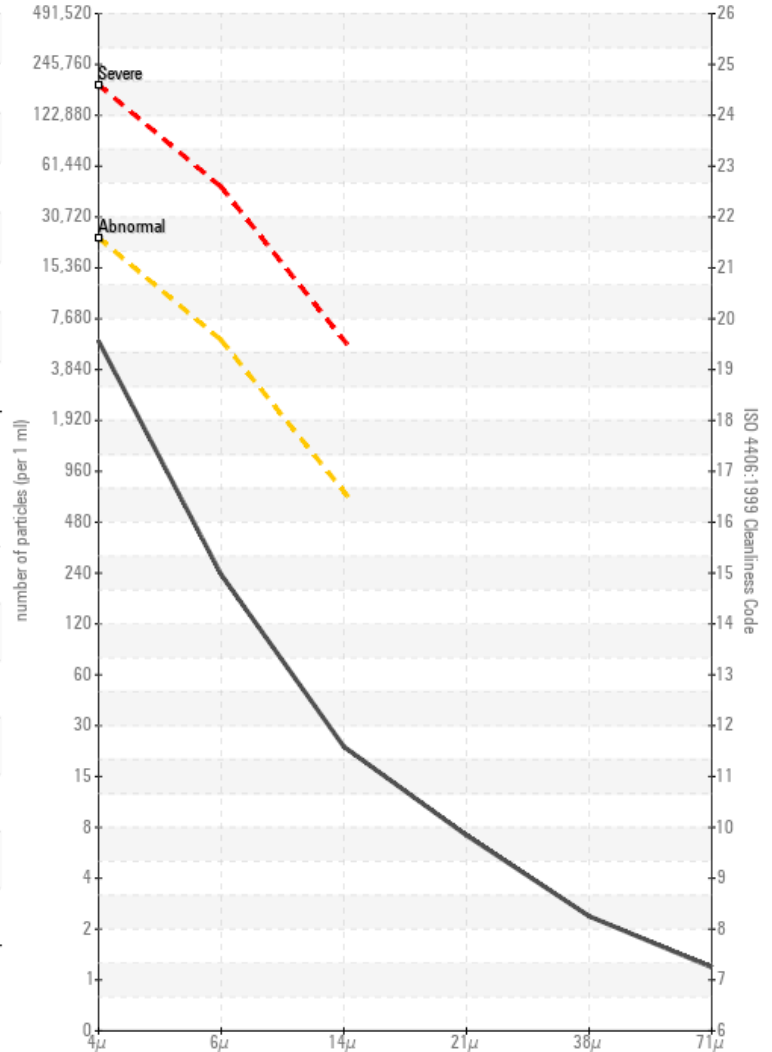
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

