

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924 054969-1487 - Hydraulic System

Sample No: LH0291267

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Information sur l'échantillon

Numéro d'échant.	LH0291267	LH0278948	---	---
Date d'échant.	27 May 2024	26 Jan 2024	---	---
Heures de la Machine	2977	2495	---	---
Heures de l'huile	0	0	---	---
Huile changée	Not Changd	Not Changd	---	---
Statut de l'échant.	ABNORMAL	ABNORMAL	---	---

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État d'huile

Visc 40°C	cSt	● 42.2	● 42.9	---	---
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Contamination

Eau	%	NEG	NEG	---	---
Particules >4μ		● 32053	● 4256	---	---
Particules >6μ		● 8253	● 751	---	---
Particules >14μ		● 274	● 31	---	---
ISO 4406:1999 (c)		22/20/15	19/17/12	---	---
Silicium	ppm	● 5	● 5	---	---
Sodium	ppm	● 4	● 4	---	---
Potassium	ppm	● <1	● 1	---	---



Métaux d'usure

Fer	ppm	● 7	● 6	---	---
Cuivre	ppm	● 80	● 63	---	---
Plomb	ppm	● 11	● 9	---	---
Étain	ppm	● 3	● 2	---	---
Aluminium	ppm	● <1	● 1	---	---
Chrome	ppm	● <1	● <1	---	---
Molybdène	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● 0	---	---
Titane	ppm	0	0	---	---
Argent	ppm	0	0	---	---
Manganèse	ppm	● <1	● 0	---	---
Vanadium	ppm	0	0	---	---



Additifs

Calcium	ppm	1141	● 1077	---	---
Magnésium	ppm	● 4	● 4	---	---
Zinc	ppm	● 686	● 682	---	---
Phosphore	ppm	● 578	● 579	---	---
Baryum	ppm	● <1	● 0	---	---
Bore	ppm	● <1	● <1	---	---

Diagnostic

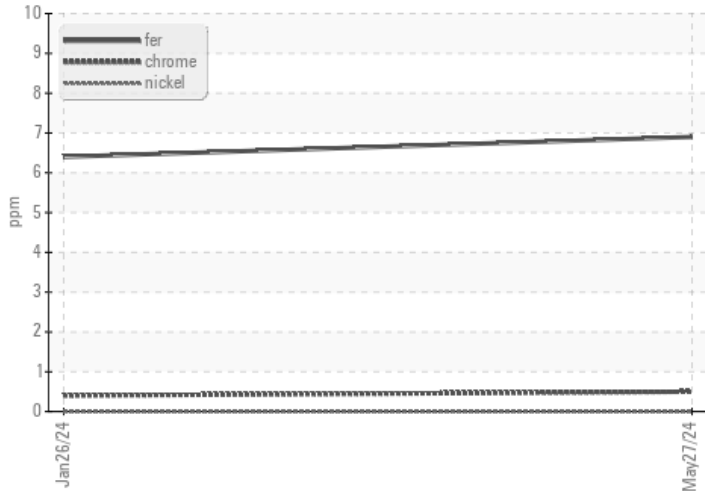
We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Copper and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CLOPEM
 Unique No: 5789967
 Signed: Kevin Marson
 Report Date: 11 Jun 2024

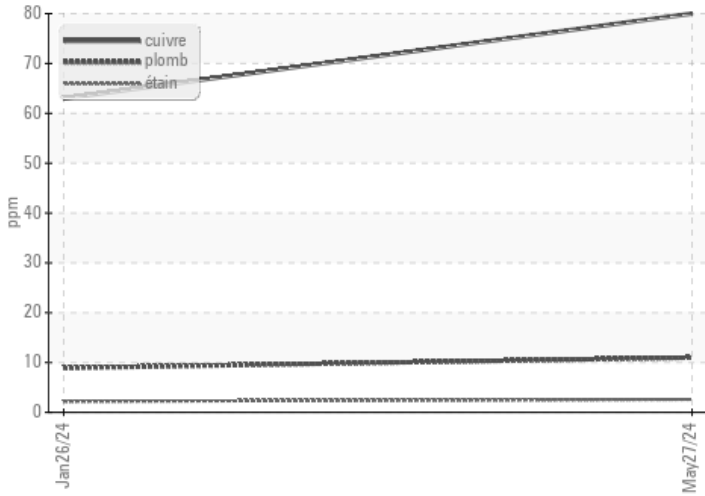


Graphs

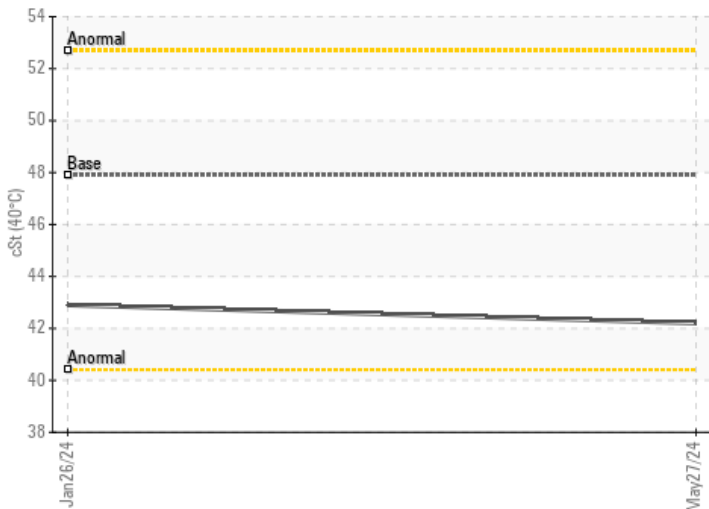
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

