

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R930 052446-1716 - Hydraulic System

Sample No: LH0274328

Oil Type: PETRO CANADA 10W30



THOMAS CAVANAGH CONSTRUCTION LTD
RR # 2, 9094 CAVANAGH ROAD
ASHTON, ON
CA K0A 1B0
Contact: Keith

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Diagnostic

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. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is acceptable for the time in service.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0274328	LH0202910	LH0242618	---
Date d'échant.	10 Nov 2023	12 Jun 2023	15 Nov 2022	---
Heures de la Machine	3497	2977	2489	---
Heures de l'huile	0	0	0	---
Huile changée	Not Changd	Not Changd	Not Changd	---
Statut de l'échant.	NORMAL	NORMAL	NORMAL	---



ÉTAT D'HUILE

Visc 40°C	cSt	53.0	53.4	54.4	---
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CONTAMINATION

Particules >4µ		● 1962	● 2591	● 15463	---
Particules >6µ		● 353	● 354	● 3451	---
Particules >14µ		● 21	● 27	● 234	---
ISO 4406:1999 (c)		18/16/12	19/16/12	21/19/15	---
Silicium	ppm	● 5	● 6	● 6	---
Sodium	ppm	● 4	● 4	● 4	---
Potassium	ppm	● 1	● 2	● 2	---



MÉTAUX D'USURE

Fer	ppm	● 6	● 6	● 6	---
Cuivre	ppm	● 5	● 5	● 3	---
Plomb	ppm	● <1	● <1	● <1	---
Étain	ppm	● 0	● 0	● 0	---
Aluminium	ppm	● 2	● 2	● 2	---
Chrome	ppm	● 0	● 0	● 0	---
Molybdène	ppm	● 4	● 4	● 3	---
Nickel	ppm	● 0	● 0	● 0	---
Titane	ppm	49	47	50	---
Argent	ppm	<1	0	0	---
Manganèse	ppm	● 0	● <1	● <1	---
Vanadium	ppm	0	<1	<1	---



ADDITIFS

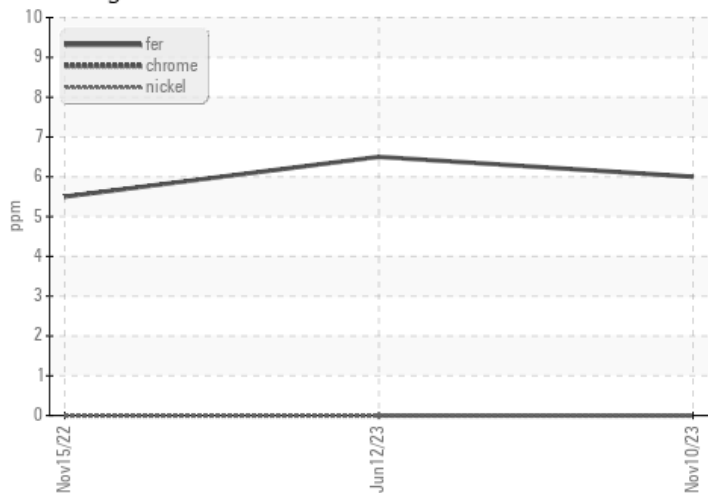
Calcium	ppm	● 1573	● 1594	● 1651	---
Magnésium	ppm	● 241	● 254	● 231	---
Zinc	ppm	● 993	● 907	● 964	---
Phosphore	ppm	● 860	● 915	● 939	---
Baryum	ppm	● <1	● 0	● 0	---
Bore	ppm	● 86	● 82	● 87	---

Depot: CAVASH
Unique No: 5672892
Signed: Kevin Marson
Report Date: 14 Nov 2023

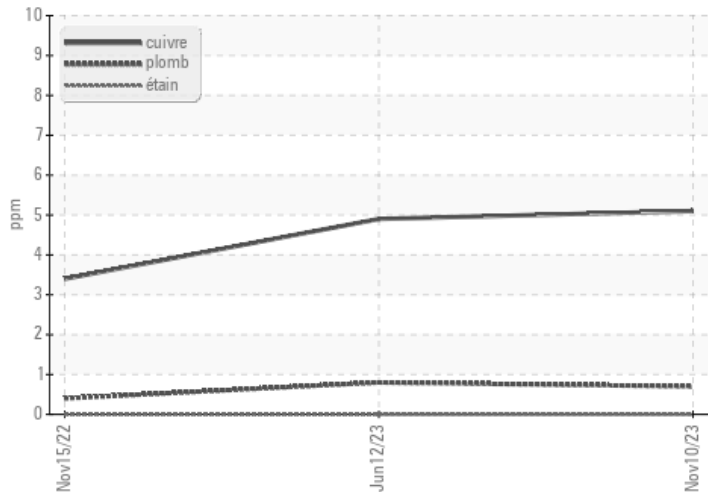


GRAPHS

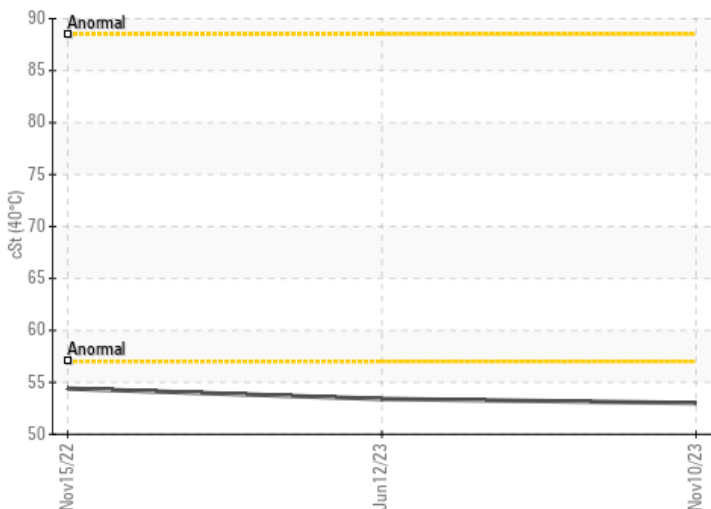
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

