LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR L586 057998-1334 - Hydraulic System

Sample No: LH0281535

Oil Type: LIEBHERR HYDRAULIC HVI

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

T: (613)257-4995
F: (613)253-0071

INFORMATION SUR L'éCHANTILLON

Numéro d'échant.		**LH0281535**	LH0123063	LH0203036	LH0256522
Date d'échant.		**06 Dec 2023**	19 Sep 2023	05 Jul 2023	23 Mar 2023
Heures de la Machine		**7545**	7088	6582	6035
Heures de l'huile		**0**	0	0	0
Huile changée		**Not Changd**	Not Changd	Not Changd	Changed
Statut de l'echant.		**ATTENTION**	ABNORMAL	NORMAL	ATTENTION

ÉTAT D'HUILE

Visc 40°C	cSt	**48.5**	48.7	76.5	46.5

CONTAMINATION

Eau	%	**NEG**	NEG	NEG	NEG
Particules >4µ		**8142**	7348	17646	20988
Particules >6µ		**1858**	664	3841	3520
Particules >14µ		**112**	30	259	130
ISO 4406:1999 (c)		**20/18/14**	20/17/12	21/19/15	22/19/14
Silicium	ppm	**11**	11	11	12
Sodium	ppm	**3**	3	2	3
Potassium	ppm	**2**	2	2	3

MéTAUX D'USURE

Fer	ppm	**16**	16	15	17
Cuivre	ppm	**3**	3	3	4
Plomb	ppm	**7**	7	6	8
Étain	ppm	**<1**	<1	<1	<1
Aluminium	ppm	**4**	4	4	5
Chrome	ppm	**2**	2	2	2
Molybdène	ppm	**14**	15	15	4
Nickel	ppm	**<1**	0	0	<1
Titane	ppm	**16**	18	18	22
Argent	ppm	**<1**	0	0	0
Manganèse	ppm	**0**	<1	<1	<1
Vanadium	ppm	**0**	<1	<1	<1

ADDITIFS

Calcium	ppm	**1060**	1041	1066	1133
Magnésium	ppm	**276**	303	300	149
Zinc	ppm	**944**	965	957	926
Phosphore	ppm	**760**	870	885	841
Baryum	ppm	**<1**	0	0	0
Bore	ppm	**28**	30	31	37

Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.Titanium ppm levels are noted. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: CAVASH
Unique No: 5694979
Signed: Kevin Marson
Report Date: 11 Dec 2023

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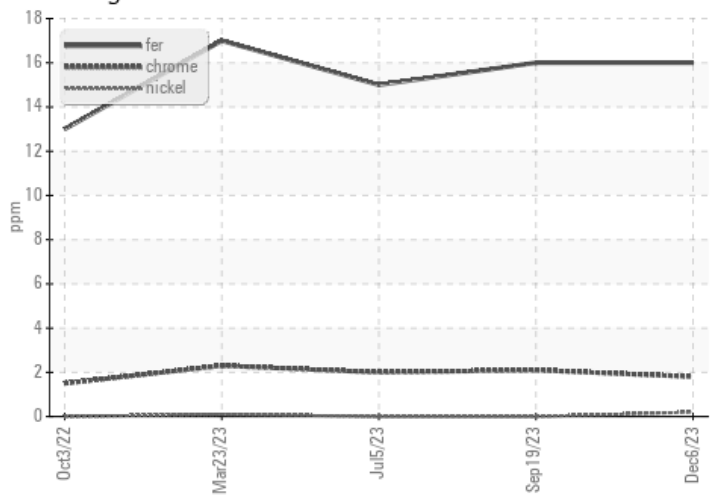
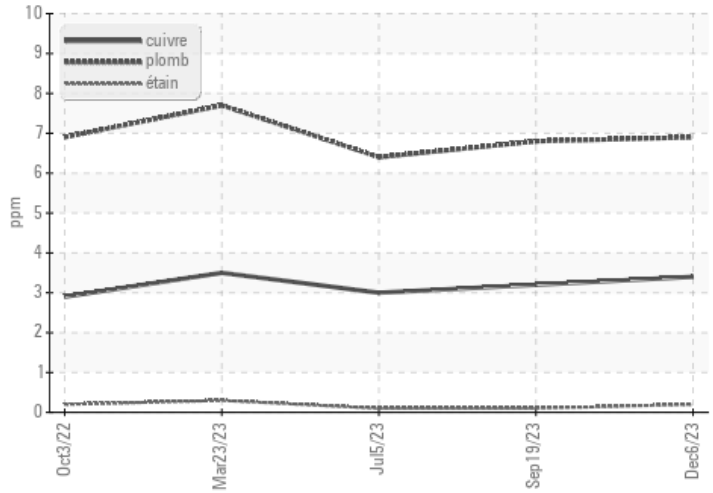
GRAPHS

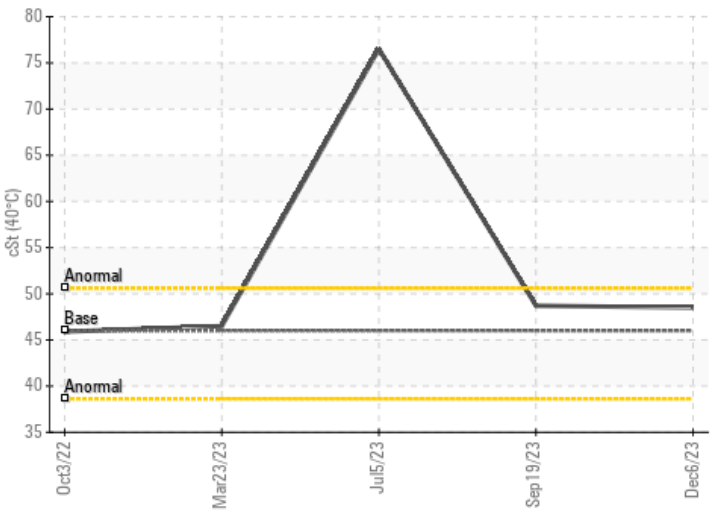
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules