LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR L580 032314 - Hydraulic System

Sample No: LH

Oil Type: IRVING HYDRAULIC OIL ISO 46

HUBERT & FILS
474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9
Contact: Eric Brisebois
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T:
F:

INFORMATION SUR L'éCHANTILLON

Numéro d'échant.		**LH**	WC0218122	WC0218119	LH0208253
Date d'échant.		**10 Nov 2023**	22 Jun 2023	12 May 2023	16 Jan 2023
Heures de la Machine		**15486**	15240	15150	14000
Heures de l'huile		**0**	0	0	0
Huile changée		**Not Changd**	Not Changd	Not Changd	Not Changd
Statut de l'echant.		**NORMAL**	NORMAL	NORMAL	NORMAL

ÉTAT D'HUILE

Visc 40°C	cSt	**43.5**	43.4	44.0	43.7
Indice d'acidité	mg KOH/g	**---**	---	---	0.75

CONTAMINATION

Eau	%	**NEG**	NEG	NEG	NEG
Particules >4µ		**6001**	---	---	11358
Particules >6µ		**1388**	---	---	823
Particules >14µ		**103**	---	---	40
ISO 4406:1999 (c)		**20/18/14**	---	---	21/17/12
Silicium	ppm	**2**	<1	<1	<1
Sodium	ppm	**0**	<1	<1	0
Potassium	ppm	**0**	<1	<1	0

MéTAUX D'USURE

Fer	ppm	**2**	2	1	5
Cuivre	ppm	**<1**	<1	<1	<1
Plomb	ppm	**<1**	<1	0	<1
Étain	ppm	**0**	0	0	0
Aluminium	ppm	**<1**	<1	<1	<1
Chrome	ppm	**0**	0	0	<1
Molybdène	ppm	**0**	<1	0	0
Nickel	ppm	**<1**	<1	<1	<1
Titane	ppm	**0**	0	0	0
Argent	ppm	**<1**	0	0	0
Manganèse	ppm	**0**	0	0	0
Vanadium	ppm	**0**	0	0	0

ADDITIFS

Calcium	ppm	**80**	109	120	429
Magnésium	ppm	**3**	3	3	5
Zinc	ppm	**432**	456	456	533
Phosphore	ppm	**339**	399	389	490
Baryum	ppm	**<1**	0	0	0
Bore	ppm	**<1**	<1	1	0

Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. 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. 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: HUBBOI
Unique No: 5681657
Signed: Wes Davis
Report Date: 16 Nov 2023

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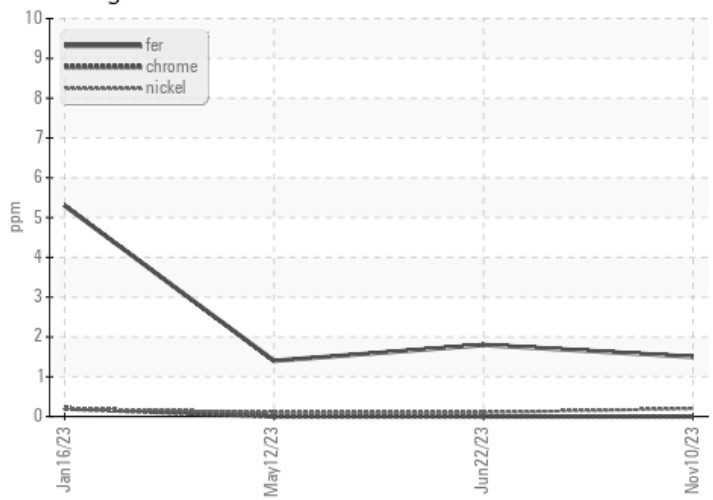
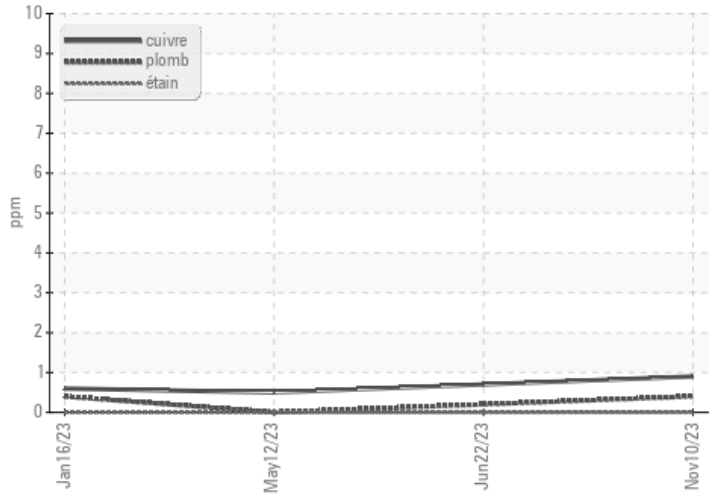
GRAPHS

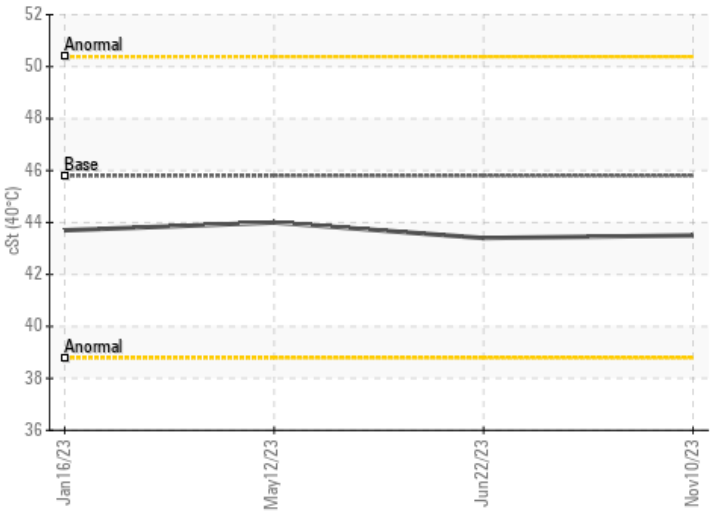
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules