LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LH40M 116354-1215 - Hydraulic System

Sample No: LH0289659

Oil Type: LIEBHERR HYDRAULIC HVI

KIMCO STEEL SALES LTD.
1325 JOHN COUNTER BLVD
KINGSTON, ON
CA K7L 4W1
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T: (800)267-0902
F: (613)548-4653

Information sur l'échantillon

Numéro d'échant.		**LH0289659**	LH0261419	LH0277624	LH0277637
Date d'échant.		**05 Jun 2024**	22 Mar 2024	25 Jan 2024	20 Oct 2023
Heures de la Machine		**11257**	10603	10071	9503
Heures de l'huile		**0**	0	0	0
Huile changée		**Not Changd**	Not Changd	Not Changd	Not Changd
Statut de l'echant.		**NORMAL**	NORMAL	ATTENTION	NORMAL

État d'huile

Visc 40°C	cSt	**42.4**	42.3	42.0	42.2

Contamination

Eau	%	**NEG**	NEG	NEG	NEG
Particules >4µ		**3595**	12600	35639	4847
Particules >6µ		**1038**	3454	4556	773
Particules >14µ		**103**	100	101	9
ISO 4406:1999 (c)		**19/17/14**	21/19/14	22/19/14	19/17/10
Silicium	ppm	**1**	<1	2	2
Sodium	ppm	**2**	2	1	3
Potassium	ppm	**<1**	<1	1	4

Métaux d'usure

Fer	ppm	**25**	29	30	28
Cuivre	ppm	**2**	2	2	3
Plomb	ppm	**0**	0	<1	<1
Étain	ppm	**0**	0	0	0
Aluminium	ppm	**<1**	<1	<1	<1
Chrome	ppm	**2**	2	2	2
Molybdène	ppm	**6**	6	6	6
Nickel	ppm	**0**	0	0	<1
Titane	ppm	**0**	0	0	0
Argent	ppm	**0**	0	0	<1
Manganèse	ppm	**<1**	0	0	0
Vanadium	ppm	**0**	0	0	0

Additifs

Calcium	ppm	**451**	482	508	508
Magnésium	ppm	**39**	34	35	34
Zinc	ppm	**594**	636	615	625
Phosphore	ppm	**495**	508	523	521
Baryum	ppm	**<1**	<1	<1	<1
Bore	ppm	**14**	12	12	15

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: KIMKIN
Unique No: 5789720
Signed: Kevin Marson
Report Date: 10 Jun 2024

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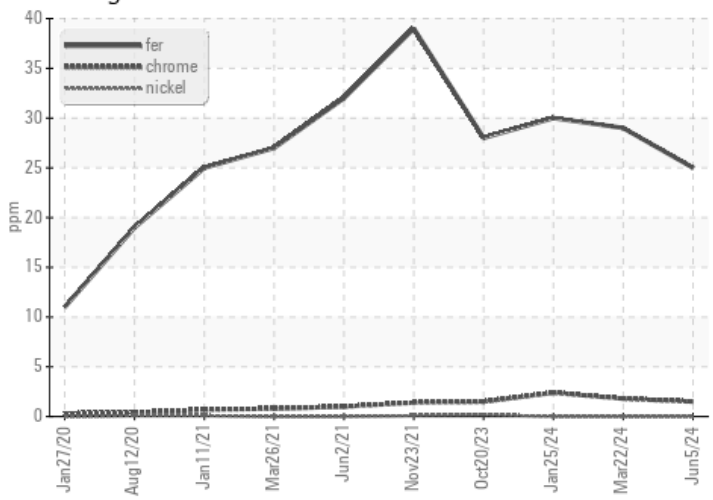
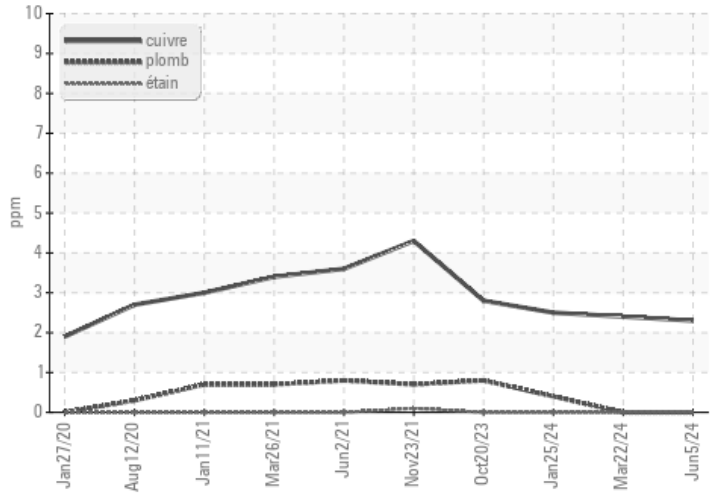
Graphs

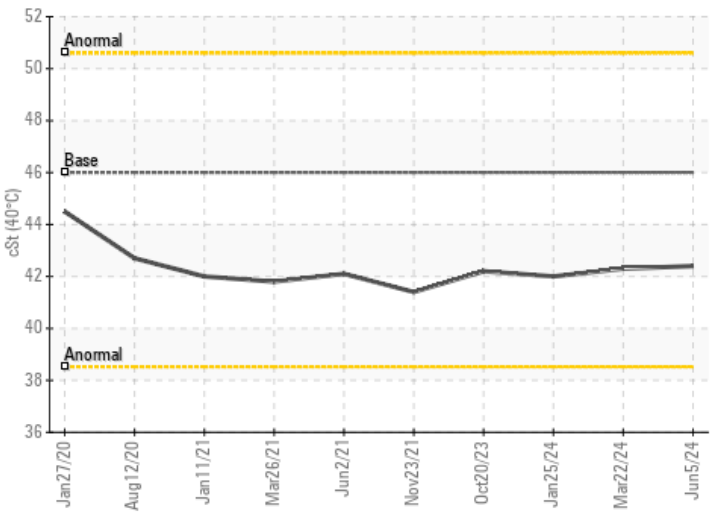
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules