



LIEBHERR LH80M 118833-1218 - Hydraulic System

Sample No: LH0270132

Oil Type: AW HYDRAULIC OIL ISO 46



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270132	LH0274405	LH0247297	LH0261334
Date d'échant.	12 Oct 2023	23 Aug 2023	21 Jun 2023	14 Apr 2023
Heures de la Machine	15946	15396	14707	13996
Heures de l'huile	1549	0	0	0
Huile changée	N/A	Not Changd	Not Changd	Not Changd
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

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ÉTAT D'HUILE

Visc 40°C	cSt	44.5	44.6	43.7	50.0
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CONTAMINATION

Particules >4µ		7347	4486	7897	2100
Particules >6µ		1915	1174	1963	495
Particules >14µ		109	80	162	24
ISO 4406:1999 (c)		20/18/14	19/17/13	20/18/15	18/16/12
Silicium	ppm	2	2	2	1
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	0	<1	<1	0

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. The condition of the oil is acceptable for the time in service.



MÉTAUX D'USURE

Fer	ppm	12	13	13	12
Cuivre	ppm	2	2	2	2
Plomb	ppm	<1	0	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	2	3	3	2
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titane	ppm	0	0	0	<1
Argent	ppm	<1	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	83	89	95	105
Magnésium	ppm	2	3	3	4
Zinc	ppm	567	584	623	602
Phosphore	ppm	447	499	520	532
Baryum	ppm	<1	0	0	0
Bore	ppm	<1	<1	<1	<1

Depot: LAKWHI

Unique No: 5657997

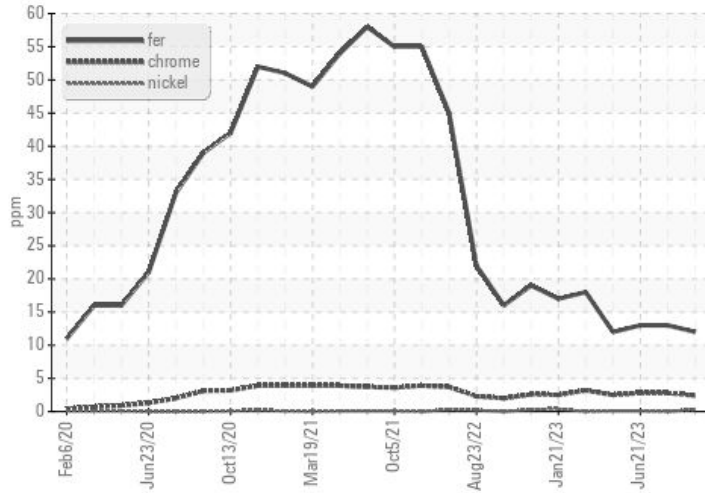
Signed: Wes Davis

Report Date: 16 Oct 2023

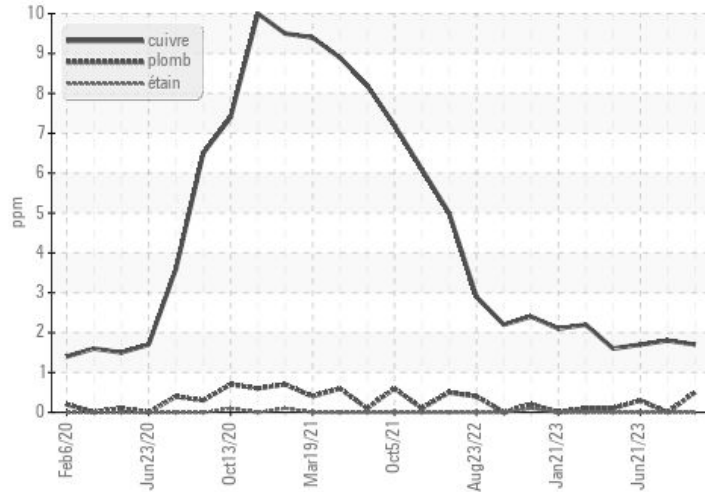


GRAPHS

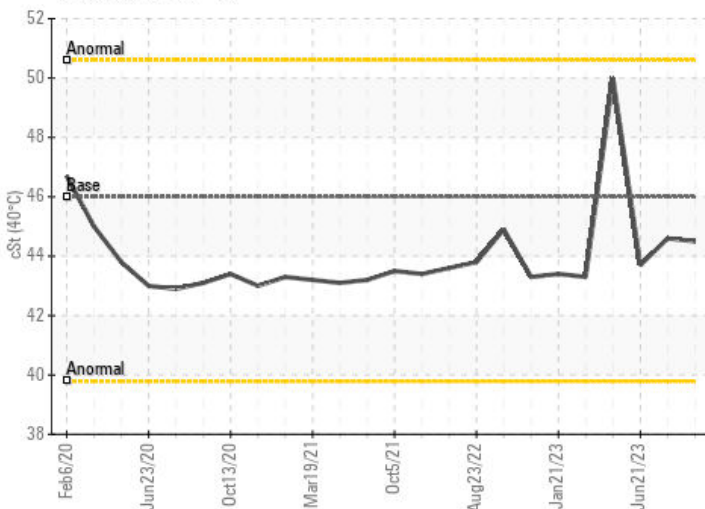
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

