

LIEBHERR

CONSTRUCTION EQUIPMENT



[(362878)] LIEBHERR LH80M 135287-1218 - Hydraulic System

Sample No: LH0284937

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

GERDAU AMERISTEEL

1 GERDAU COURT

WHITBY, ON

CA L1N 5T1

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Diagnostic

We advise that you check all areas where contaminants can enter the system. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER:

Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Light concentration of visible dirt/debris present in the oil. The water content is negligible. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0284937	LH0277419	LH0274366	LH0265829
Date d'échant.		08 Feb 2024	23 Oct 2023	05 Sep 2023	21 Jul 2023
Heures de la Machine		10128	8967	3998	7724
Heures de l'huile		0	0	0	0
Huile changée		Changed	Not Changd	Not Changd	Not Changd
Statut de l'échant.		ABNORMAL	NORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	● 43.3	● 43.7	● 43.8	● 43.4
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CONTAMINATION

Eau	%	● 0.089	NEG	NEG	NEG
Particules >4μ		● 72535	● 1953	● 16724	● 418
Particules >6μ		● 22140	● 658	● 4986	● 109
Particules >14μ		● 806	● 30	● 362	● 10
ISO 4406:1999 (c)		23/22/17	18/17/12	21/19/16	16/14/10
Silicium	ppm	● 3	● 3	● 3	● 3
Sodium	ppm	● <1	● 1	● 1	● 1
Potassium	ppm	● <1	● <1	● <1	● <1



MÉTAUX D'USURE

Fer	ppm	● 31	● 29	● 29	● 30
Cuivre	ppm	● 4	● 3	● 4	● 3
Plomb	ppm	● <1	● <1	● <1	● <1
Étain	ppm	● 0	● 0	● 0	● 0
Aluminium	ppm	● <1	● 0	● <1	● <1
Chrome	ppm	● 4	● 3	● 3	● 3
Molybdène	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● 0	● 0	● 0
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	<1
Manganèse	ppm	● 0	● 0	● <1	● <1
Vanadium	ppm	0	0	0	0



ADDITIFS

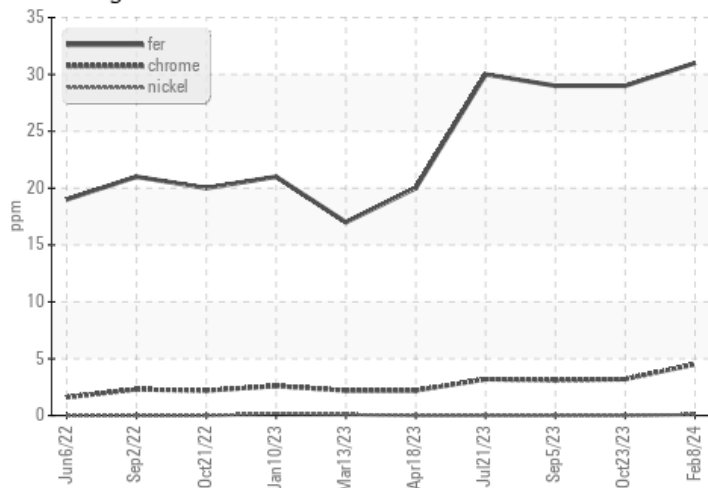
Calcium	ppm	● 211	● 225	● 239	● 268
Magnésium	ppm	● 3	● 3	● 3	● 3
Zinc	ppm	● 520	● 551	● 534	● 542
Phosphore	ppm	● 432	● 448	467	● 473
Baryum	ppm	● 0	● 0	● 0	● 0
Bore	ppm	● <1	● 1	● 1	● <1

Depot: LAKWHI
 Unique No: 5723755
 Signed: Kevin Marson
 Report Date: 14 Feb 2024

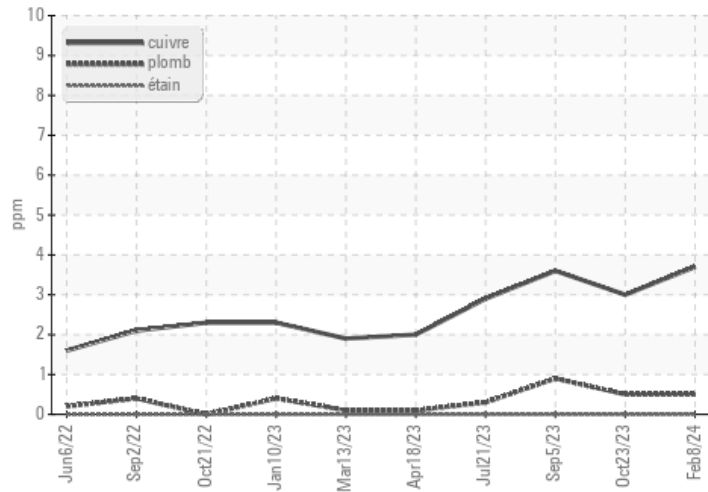


GRAPHS

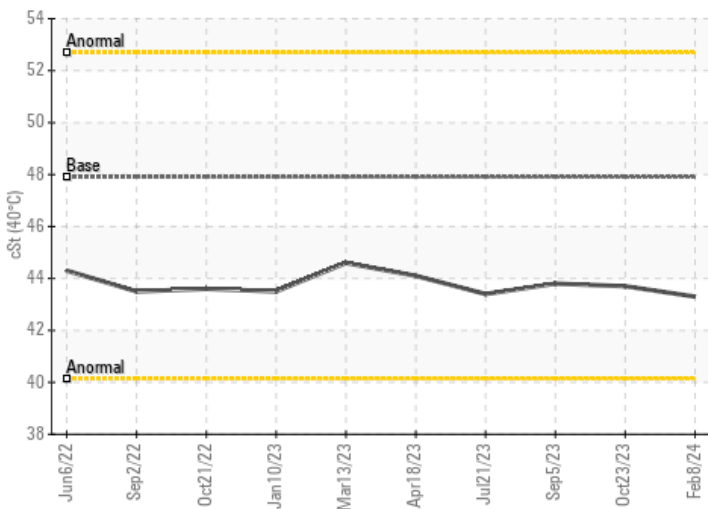
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)

