

LIEBHERR

CONSTRUCTION EQUIPMENT



096750-1204 - Hydraulic System

Sample No: LH0285140

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

American Iron and Metal

120 Bentley Avenue

Ottawa, ON

CA K2E 6T9

Contact: Yvon Lalonde

T: (819)230-7247

F:

Diagnostic

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Light concentration of visible metal present. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0285140	LH0274879	LH0270241	LH0270242
Date d'échant.		05 Feb 2024	31 Oct 2023	17 Oct 2023	16 Oct 2023
Heures de la Machine		10945	10469	10394	10590
Heures de l'huile		0	0	0	0
Huile changée		Changed	Not Changd	Changed	Not Changd
Statut de l'échant.		MARGINAL	NORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	38.0	39.8	● 43.5	● 37.8
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CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
Particules >4μ		● 5844	● 4761	● 2975	● 138
Particules >6μ		● 541	● 469	● 641	● 37
Particules >14μ		● 18	● 12	● 19	● 4
ISO 4406:1999 (c)		20/16/11	19/16/11	19/17/11	14/12/9
Silicium	ppm	● <1	● <1	● <1	● 1
Sodium	ppm	● 1	● 1	● <1	● 2
Potassium	ppm	● <1	● 0	● 0	● <1



MÉTAUX D'USURE

Fer	ppm	● 8	● 7	● 3	● 8
Cuivre	ppm	● 2	● 2	● 1	● 2
Plomb	ppm	● <1	● <1	● <1	● <1
Étain	ppm	● 0	● 0	● 0	● 0
Aluminium	ppm	● <1	● <1	● 0	● <1
Chrome	ppm	● <1	● <1	● 0	● <1
Molybdène	ppm	● 2	● 2	● <1	● 3
Nickel	ppm	● <1	● 0	● <1	● <1
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	<1	<1
Manganèse	ppm	● 0	● 0	● 0	● 0
Vanadium	ppm	0	0	0	0



ADDITIFS

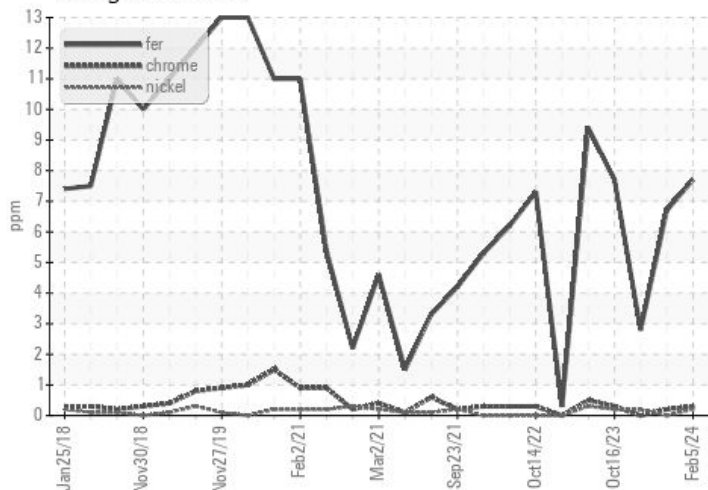
Calcium	ppm	● 366	● 213	● 154	● 228
Magnésium	ppm	● 4	● 3	● 2	● 3
Zinc	ppm	● 710	● 762	● 811	● 644
Phosphore	ppm	● 596	● 612	● 628	● 511
Baryum	ppm	● 0	● <1	● <1	● <1
Bore	ppm	● <1	● <1	● <1	● 1

Depot: AME120OTT
 Unique No: 5734544
 Signed: Kevin Marson
 Report Date: 26 Feb 2024

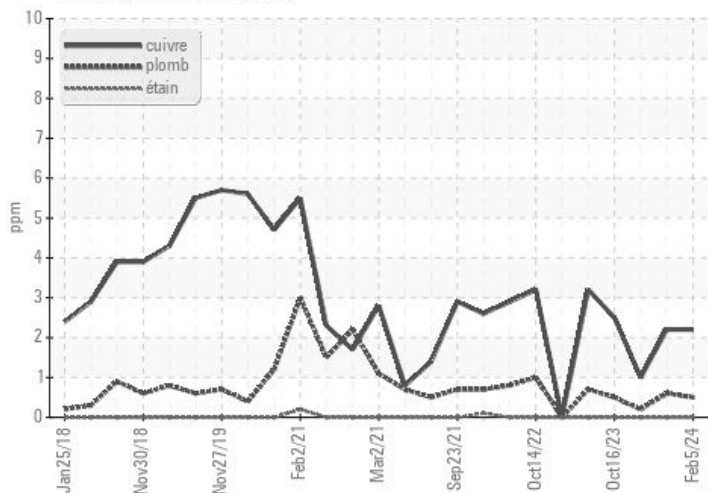


GRAPHS

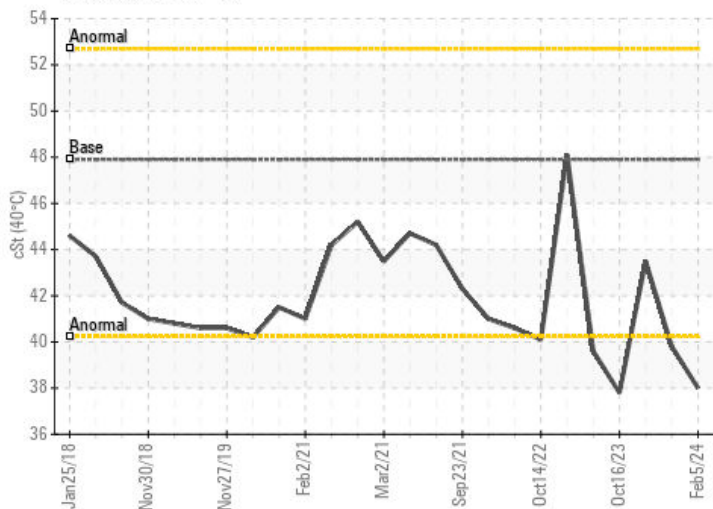
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)

