

LIEBHERR

CONSTRUCTION EQUIPMENT



[(360377)] LIEBHERR L580 059426-1464 - Hydraulic System

Sample No: LH0237639

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0237639	LH0242483	LH0178333	LH0230689
Date d'échant.		09 Aug 2023	17 Nov 2022	18 Aug 2022	31 May 2022
Heures de la Machine		5106	3593	2987	2443
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

CLOUTIER VENTURES LTD.
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 PEMBROKE, ON
 CA K8A 0A6
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ÉTAT D'HUILE

Visc 40°C	cSt	42.6	43.5	43.5	43.6
Indice d'acidité	mg KOH/g	1.02	---	---	---



CONTAMINATION

Particules >4µ		1142	15216	12770	19785
Particules >6µ		163	2957	1222	2518
Particules >14µ		11	122	24	44
ISO 4406:1999 (c)		17/15/11	21/19/14	21/17/12	21/19/13
Silicium	ppm	3	3	2	2
Sodium	ppm	2	2	2	2
Potassium	ppm	2	2	2	1



MÉTAUX D'USURE

Fer	ppm	11	9	8	8
Cuivre	ppm	5	5	3	3
Plomb	ppm	11	8	9	7
Étain	ppm	<1	<1	<1	<1
Aluminium	ppm	1	1	1	1
Chrome	ppm	2	<1	1	1
Molybdène	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titane	ppm	0	<1	<1	0
Argent	ppm	1	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1416	1382	1411	1418
Magnésium	ppm	7	6	6	7
Zinc	ppm	707	687	679	714
Phosphore	ppm	588	643	585	630
Baryum	ppm	<1	0	0	0
Bore	ppm	<1	<1	<1	0

Diagnostic

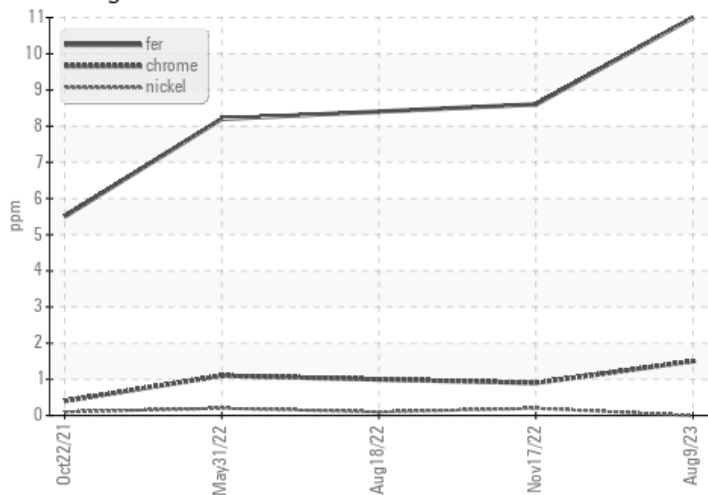
The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. The system cleanliness is acceptable for your target 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 AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CLOPEM
 Unique No: 5646638
 Signed: Kevin Marson
 Report Date: 28 Sep 2023

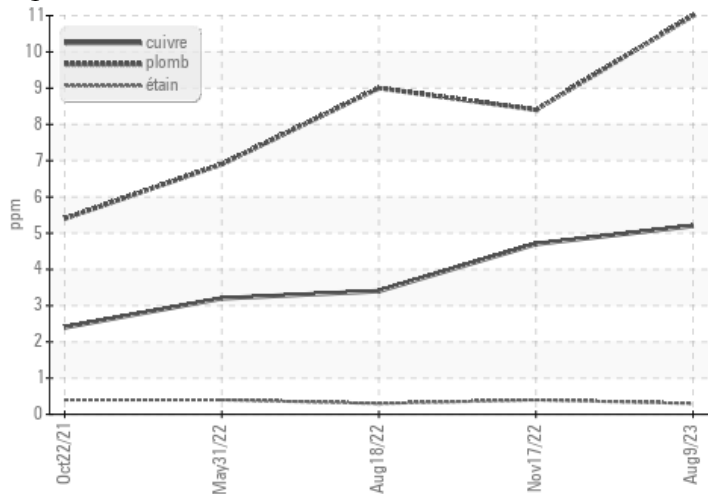


GRAPHS

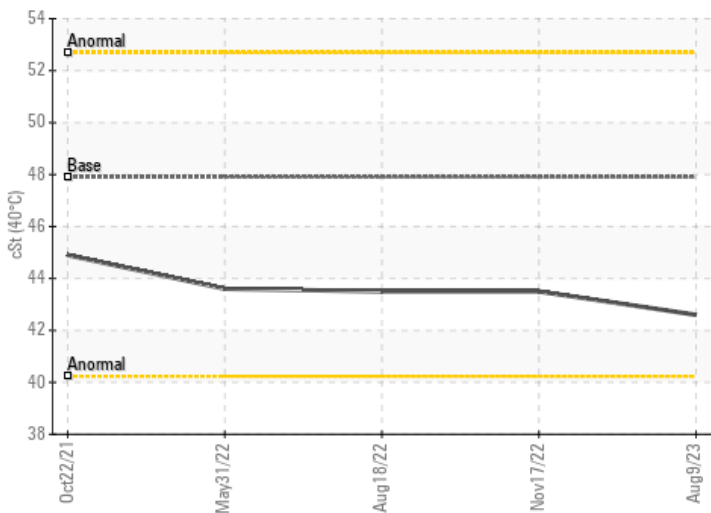
Alliages ferreux



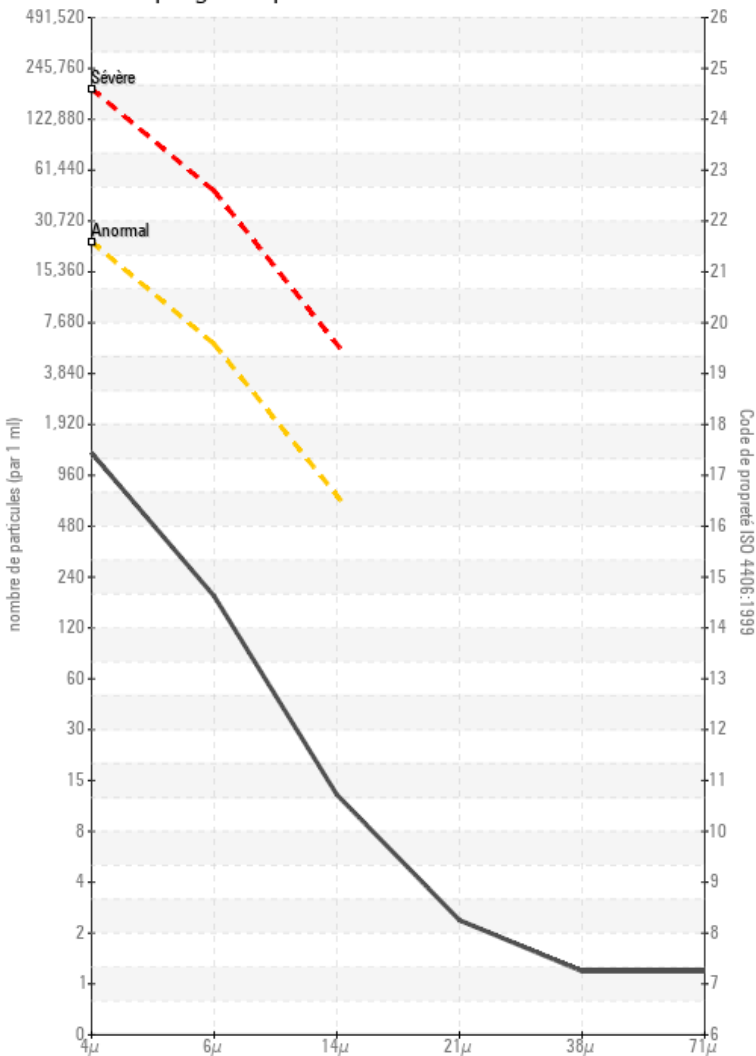
Métaux non-ferreux



Viscosité 40°C



Comptage de particules



Indice d'acidité

