

LIEBHERR

CONSTRUCTION EQUIPMENT



[(354956)] LIEBHERR A922 128674-1509 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Information sur l'échantillon

Numéro d'échant.	LH	LH0274095	LH0238909	LH0225267
Date d'échant.	18 Apr 2024	01 Sep 2023	20 Jan 2023	24 May 2022
Heures de la Machine	3800	2993	2095	6980
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Not Changd	N/A
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

Transec Common Inc.
2075 Boul. Fortin
Laval, QC
CA H7S 1P4
Contact: Service Manager



État d'huile

Visc 40°C	cSt	23.8	23.6	24.3	44.6

T:
F:



Contamination

Eau	%	NEG	NEG	0.005	NEG
Particules >4µ		7372	6259	4866	8929
Particules >6µ		2439	1070	987	1064
Particules >14µ		189	26	35	14
ISO 4406:1999 (c)		20/18/15	20/17/12	19/17/12	20/17/11
Silicium	ppm	3	5	4	4
Sodium	ppm	1	<1	<1	2
Potassium	ppm	<1	1	<1	<1

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. Viscosity of sample indicates oil is within ISO 22 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	9	8	6	13
Cuivre	ppm	4	4	4	3
Plomb	ppm	0	<1	<1	<1
Étain	ppm	0	0	0	<1
Aluminium	ppm	0	<1	<1	<1
Chrome	ppm	1	1	<1	1
Molybdène	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	0
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	0
Manganèse	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additifs

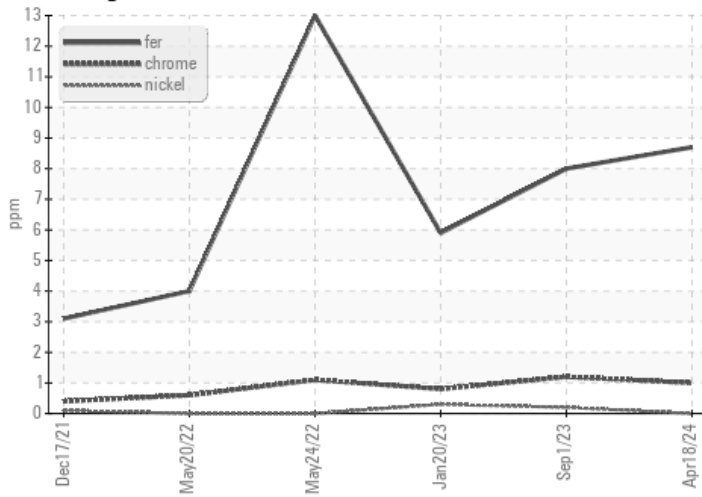
Calcium	ppm	8	3	2	1246
Magnésium	ppm	<1	<1	0	14
Zinc	ppm	84	39	19	927
Phosphore	ppm	98	72	72	757
Baryum	ppm	0	0	0	0
Bore	ppm	<1	<1	0	2

Depot: TRA207LAV
Unique No: 5772129
Signed: Kevin Marson
Report Date: 24 Apr 2024

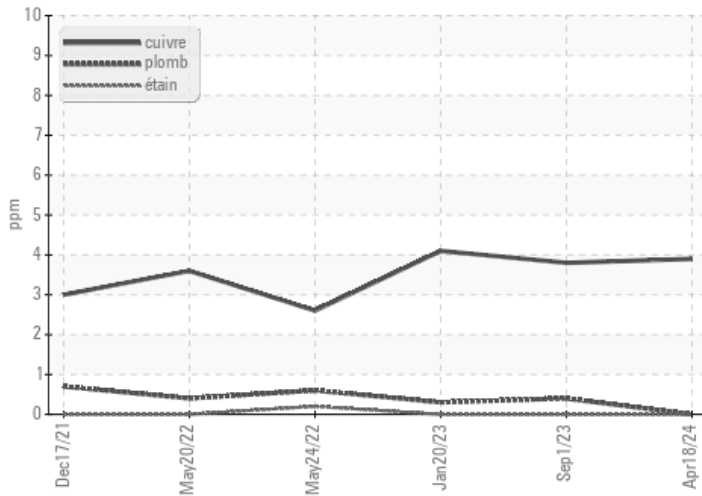


Graphs

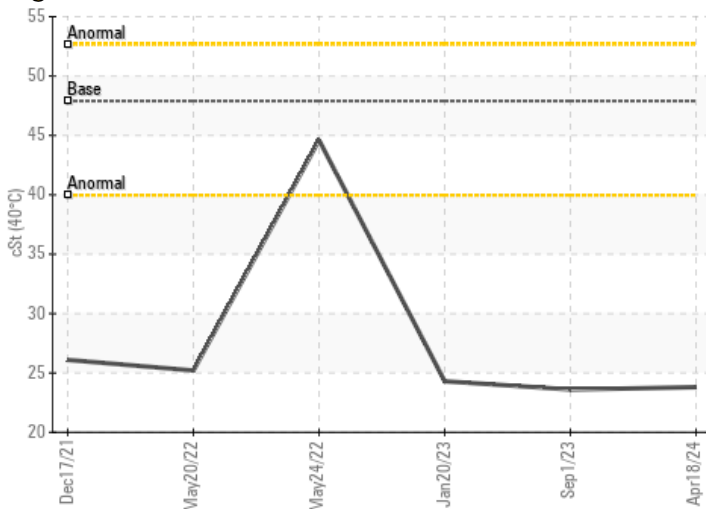
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

