

LIEBHERR

CONSTRUCTION EQUIPMENT



[(366409)] LIEBHERR R945 053994-1866 - Hydraulic System

Sample No: LH0237712

Oil Type: PETRO CANADA 10W30



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0237712	LH0202862	LH0237756	LH0239308
Date d'échant.	11 Aug 2023	25 May 2023	06 Mar 2023	28 Nov 2022
Heures de la Machine	3069	2611	2125	1583
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Not Changd	Changed	Not Changd
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

THOMAS CAVANAGH CONSTRUCTION LTD
RR # 2, 9094 CAVANAGH ROAD
ASHTON, ON
CA K0A 1B0
Contact: Keith



ÉTAT D'HUILE

Visc 40°C	cSt	46.9	49.0	47.1	50.5
Indice d'acidité	mg KOH/g	0.92	---	1.01	---

T: (613)257-4995
F: (613)253-0071



CONTAMINATION

Particules >4µ		8090	1391	326	3477
Particules >6µ		1662	282	69	924
Particules >14µ		79	17	7	47
ISO 4406:1999 (c)		20/18/13	18/15/11	16/13/10	19/17/13
Silicium	ppm	6	6	6	7
Sodium	ppm	4	3	3	4
Potassium	ppm	2	1	2	2

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. NOTE: An increase in the particle count is noted. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



MÉTAUX D'USURE

Fer	ppm	8	7	8	7
Cuivre	ppm	5	5	5	5
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	0	<1	0
Aluminium	ppm	1	1	2	2
Chrome	ppm	<1	0	0	<1
Molybdène	ppm	19	20	11	2
Nickel	ppm	0	0	<1	<1
Titane	ppm	22	18	22	38
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	<1	<1



ADDITIFS

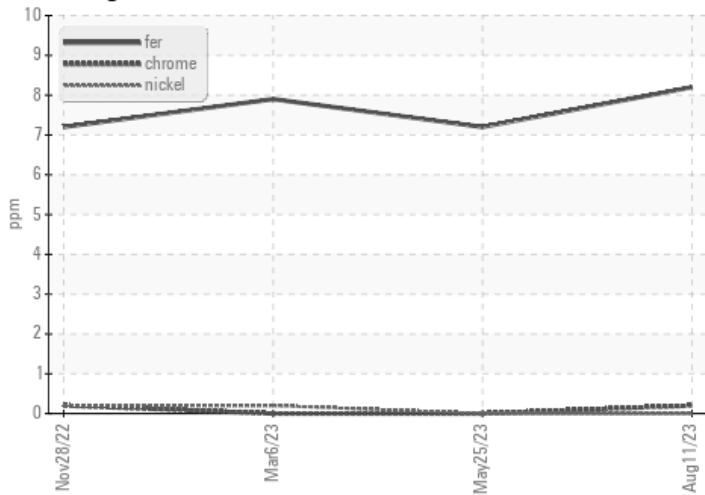
Calcium	ppm	1333	1400	1445	1618
Magnésium	ppm	338	330	190	240
Zinc	ppm	935	944	855	933
Phosphore	ppm	880	901	808	918
Baryum	ppm	0	0	0	0
Bore	ppm	61	55	64	77

Depot: CAVASH
Unique No: 5628999
Signed: Kevin Marson
Report Date: 16 Aug 2023

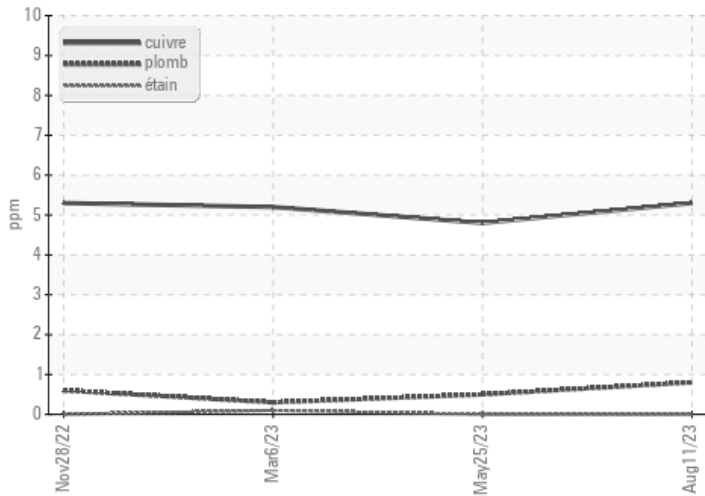


GRAPHS

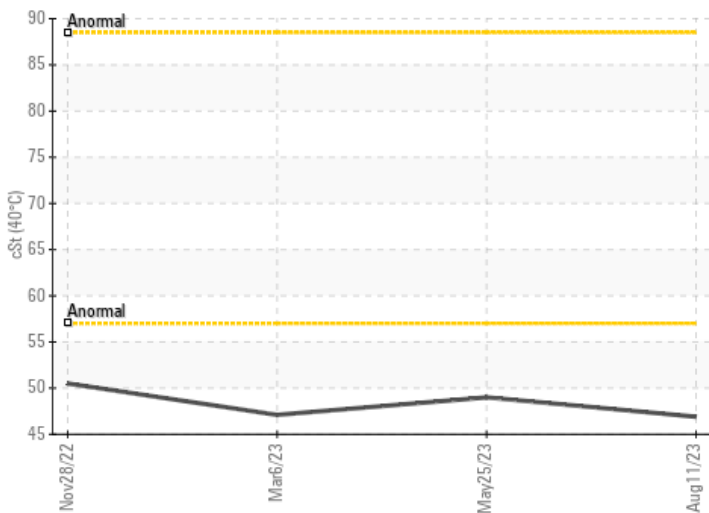
Alliages ferreux



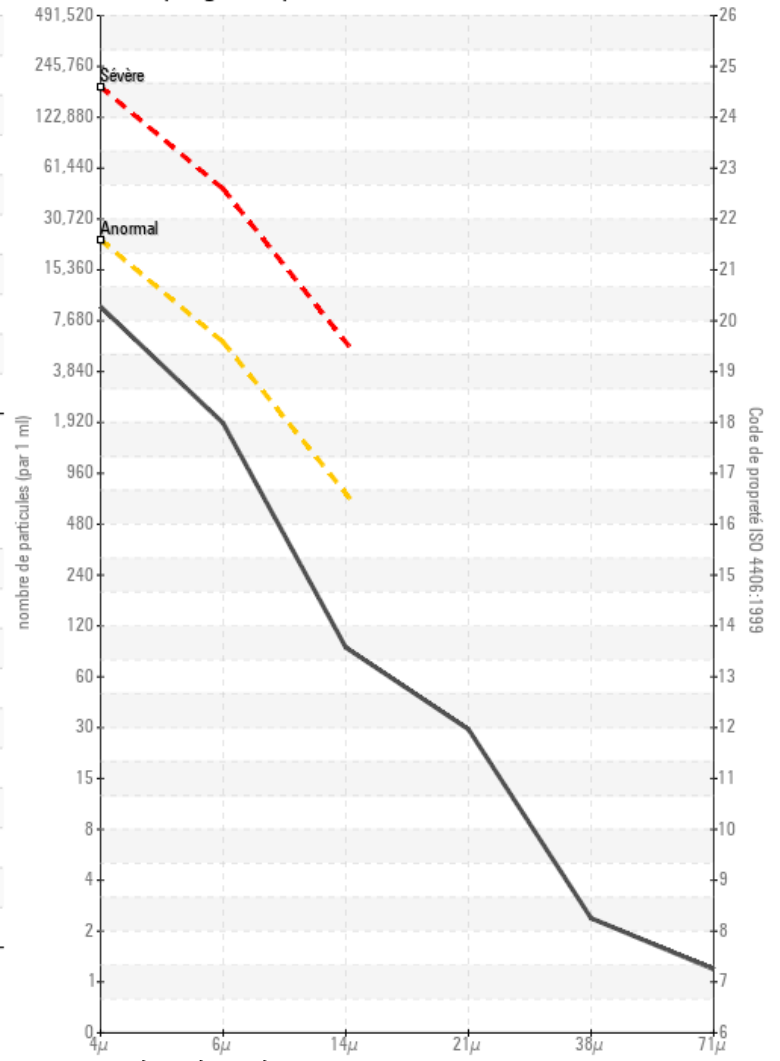
Métaux non-ferreux



Viscosité 40°C



Comptage de particules



Indice d'acidité

