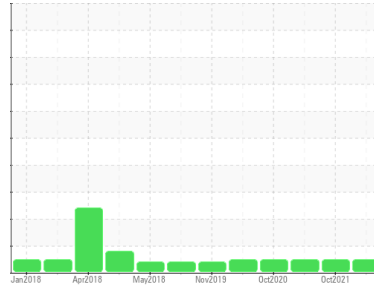




Identité de la machine
LIEBHERR LH50M 097459-1216
 Composant
Système hydraulique
 Fluide
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (320 LTR)

Sample Rating Trend



NORMALE



DIAGNOSTIC

Recommendation

Resample at the next service interval to monitor.

Usure

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

État Du Fluide

The condition of the oil is acceptable for the time in service.

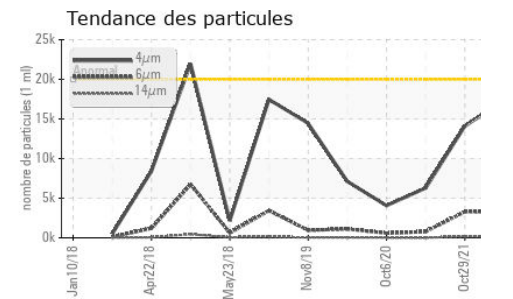
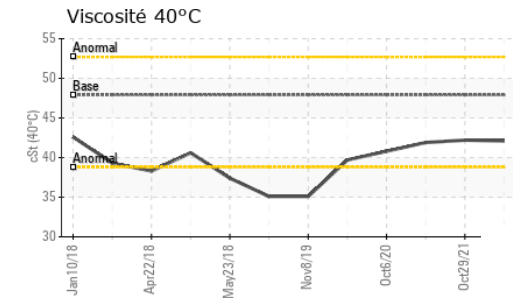
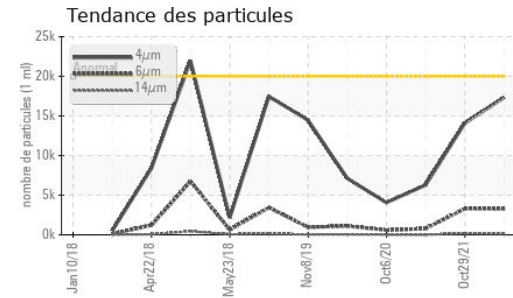
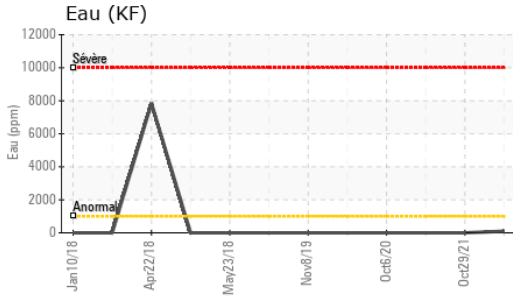
INFORMATION SUR L'ÉCHANTILLON		methode	limite/base	actuel	passé1	passé2
Número d'échant.	Client Info			LH0230408	LH0194734	LH0194637
Date d'échant.	Client Info			05 May 2022	29 Oct 2021	25 Jul 2021
Âge d la Machine	hrs	Client Info		22049	20093	17995
Âge de l'huile	hrs	Client Info		0	0	0
Huile changée	Client Info			Changed	Changed	Not Changd
Statut de l'échant.				NORMAL	NORMAL	NORMAL

MÉTALUX D'USURE		methode	limite/base	actuel	passé1	passé2
Fer	ppm	ASTM D5185(m)	>60	35	20	18
Chrome	ppm	ASTM D5185(m)	>40	<1	<1	<1
Nickel	ppm	ASTM D5185(m)		<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)		0	0	0
Aluminium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Plomb	ppm	ASTM D5185(m)	>5	<1	<1	<1
Cuivre	ppm	ASTM D5185(m)	>15	1	1	1
Étain	ppm	ASTM D5185(m)	>5	0	<1	<1
Antimoine	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Béryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIFS		methode	limite/base	actuel	passé1	passé2
Bore	ppm	ASTM D5185(m)	0	<1	<1	<1
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	0	0	0	0
Manganèse	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	0	1	<1	<1
Calcium	ppm	ASTM D5185(m)	100	78	81	69
Phosphore	ppm	ASTM D5185(m)	670	493	551	501
Zinc	ppm	ASTM D5185(m)	850	609	678	600
Soufre	ppm	ASTM D5185(m)	1600	1446	1268	1117
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	>15	1	<1	<1
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Eau	%	ASTM D6304*	>0.1	0.009	---	---
ppm d'eau	ppm	ASTM D6304*	>1000	96.0	---	---

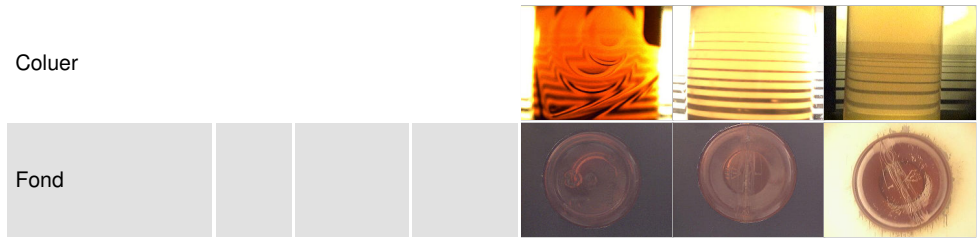
PROPRETÉ DU FLUIDE		methode	limite/base	actuel	passé1	passé2
Particules >4µ		ASTM D7647	>20000	17343	14102	6291
Particules >6µ		ASTM D7647	>5000	3258	3290	786
Particules >14µ		ASTM D7647	>640	122	172	16
Particules >21µ		ASTM D7647	>160	25	33	3
Particules >38µ		ASTM D7647	>40	1	1	0
Particules >71µ		ASTM D7647	>10	0	0	0
Propreté de l'huile		ISO 4406 (c)	>21/19/16	21/19/14	21/19/15	20/17/11



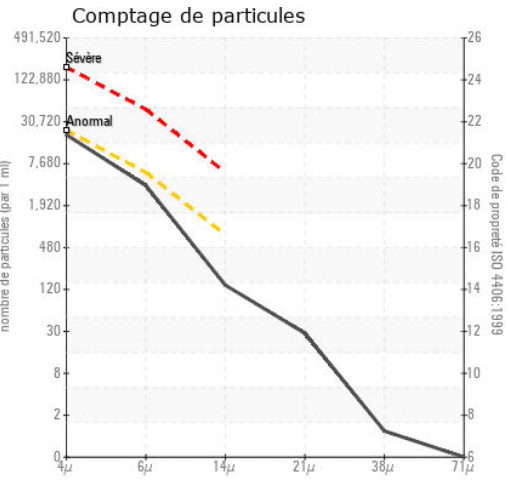
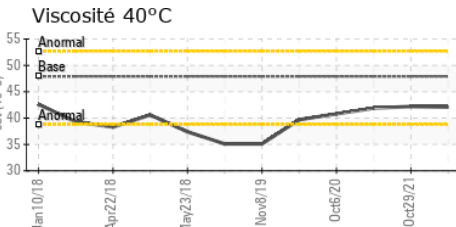
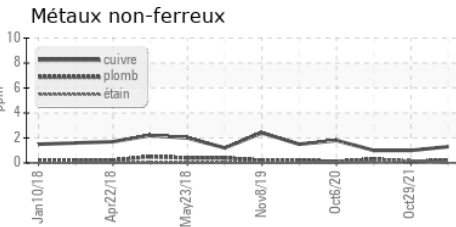
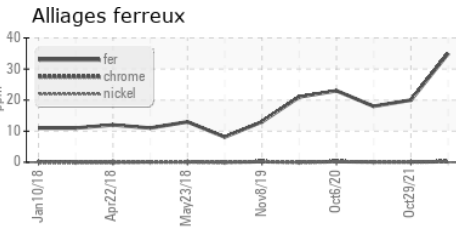
VISUEL	methode	limite/base	actuel	passé1	passé2
Métal blanc	scalar	Visual*	NONE	NONE	NONE
Bronze	scalar	Visual*	NONE	NONE	NONE
Préциpié	scalar	Visual*	NONE	NONE	NONE
Limon	scalar	Visual*	NONE	NONE	NONE
Débris	scalar	Visual*	NONE	NONE	NONE
Saleté	scalar	Visual*	NONE	NONE	NONE
Apparence	scalar	Visual*	NORML	NORML	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.1	.2%	NEG
Eau libre	scalar	Visual*		NEG	NEG

PROPRIÉTÉS DU FLUID	methode	limite/base	actuel	passé1	passé2
Visc 40°C	cSt	ASTM D7279(m)	47.9	42.1	42.2

IMAGES DE L'éCHANTILLON	methode	limite/base	actuel	passé1	passé2
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GRAPHIQUES



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH0230408
N° de laboratoire : 02492292
Numéro unique : 5409251
Analyse : MOB 1 (Additional Tests: KF, PrtCount)

J.D. Irving
 Truro Sawmill, 529 Valley Dale Road
 Truro, NS
 CA B2N 5C5
 Contact: Sheldon Richardson
 richardson.sheldon@jdirving.com
 T: (902)890-9419
 F:

Pour discuter cetter rapport, contacter le service à la clientèle au 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.