LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR R945 051101-1866 - Diesel Engine

Sample No: LH0213571

Oil Type: NOT GIVEN

LIEBHERR CANADA LTEE
4250 AUTOROUTE CHOMEDEY 13
LAVAL, QC
CA H7R 6E9
Contact: Stephane Plourde
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T: (450)963-7174
F: (450)963-9176

INFORMATION SUR L'éCHANTILLON

Numéro d'échant.		**LH0213571**	LH	---	---
Date d'échant.		**21 Sep 2021**	20 May 2021	---	---
Heures de la Machine		**0**	0	---	---
Heures de l'huile		**0**	0	---	---
Huile changée		**Changed**	Changed	---	---
Statut de l'echant.		**NORMAL**	NORMAL	---	---

ÉTAT D'HUILE

Visc 100°C	cSt	**13.0**	11.9	---	---
Oxydation (PA)	%	**84**	185	---	---

CONTAMINATION

% de suie	%	**0**	0	---	---
Nitration (PA)	%	**77**	88	---	---
Sulfatation (PA)	%	**63**	105	---	---
Glycol	%	**NEG**	NEG	---	---
Essence	%	**<1.0**	0.6	---	---
Silicium	ppm	**8**	10	---	---
Sodium	ppm	**2**	3	---	---
Potassium	ppm	**6**	3	---	---

MéTAUX D'USURE

Fer	ppm	**8**	14	---	---
Cuivre	ppm	**59**	174	---	---
Plomb	ppm	**3**	8	---	---
Étain	ppm	**1**	1	---	---
Aluminium	ppm	**2**	2	---	---
Chrome	ppm	**<1**	1	---	---
Molybdène	ppm	**58**	45	---	---
Nickel	ppm	**<1**	<1	---	---
Titane	ppm	**0**	<1	---	---
Argent	ppm	**0**	0	---	---
Manganèse	ppm	**<1**	1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIFS

Calcium	ppm	**1104**	1352	---	---
Magnésium	ppm	**964**	921	---	---
Zinc	ppm	**1157**	902	---	---
Phosphore	ppm	**933**	716	---	---
Baryum	ppm	**4**	24	---	---
Bore	ppm	**7**	94	---	---

Diagnostic

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.Les taux d'usure de tous les composants sont normaux. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans le huile. L'état de l'huile est acceptable pour la durée de service.

Depot: LIESTL
Unique No: 5303623
Signed: Wes Davis
Report Date: 26 Oct 2021

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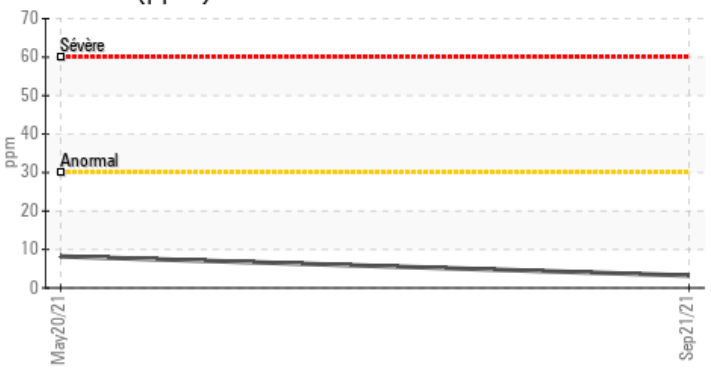
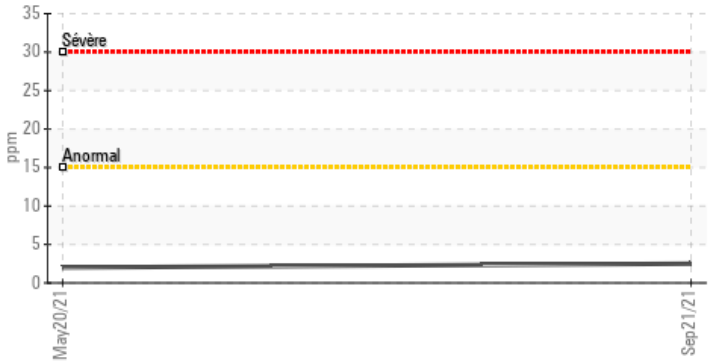
GRAPHS

Fer (ppm)

Plomb (ppm)

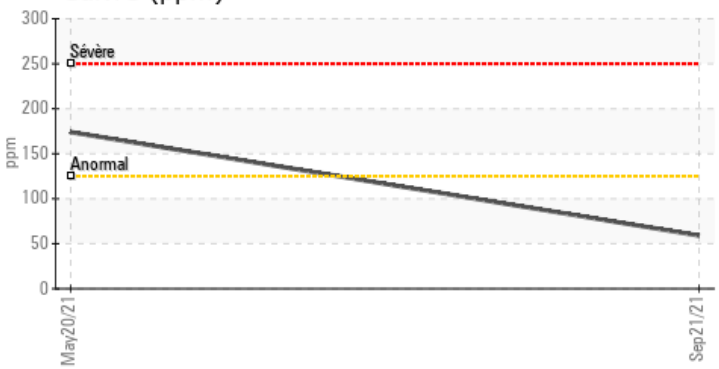


Aluminium (ppm)

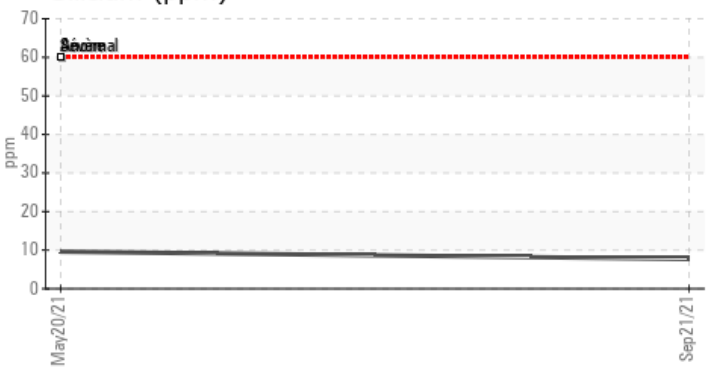


Chrome (ppm)

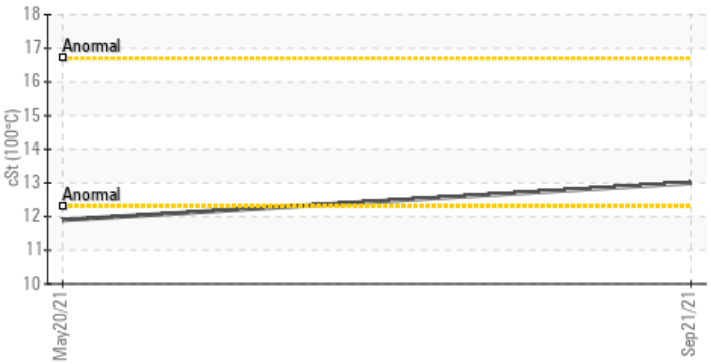
Cuivre (ppm)



Silicium (ppm)



Viscosité 100°C



% de suie