

LIEBHERR

CONSTRUCTION EQUIPMENT



054212-1007 - Front Differential

Sample No: LH0068619

Oil Type: SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0068619	LH0061807	LH0055644	---
Sample Date	08 Mar 2013	21 Jun 2012	17 Jan 2012	---
Machine Hours	3147	2183	1200	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

American Iron and Metal
 251 CHEMIN DES ILES
 LEVIS, QC
 CA G6V 1M5
 Contact: Bobby Rochette



OIL CONDITION

Visc @ 40°C	cSt	187	186	181	---
Acid Number (AN)	mg KOH/g	1.47	---	---	---

T: (418)649-1000
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	5	4	---
Sodium	ppm	<1	<1	3	---
Potassium	ppm	1	1	0	---

Diagnosis

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. Il n'y a aucun indice de contamination dans le composant. Le TAN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.



WEAR METALS

Iron	ppm	21	18	15	---
Copper	ppm	28	25	22	---
Lead	ppm	1	1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

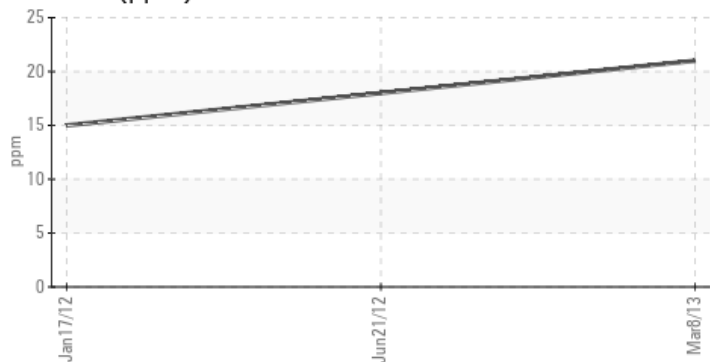
Calcium	ppm	2	21	2	---
Magnesium	ppm	<1	2	<1	---
Zinc	ppm	17	20	12	---
Phosphorus	ppm	1085	1192	1121	---
Barium	ppm	340	385	374	---
Boron	ppm	2	2	2	---

Depot: AMELEV
 Unique No: 3676191
 Signed: Wes Davis
 Report Date: 14 Mar 2013

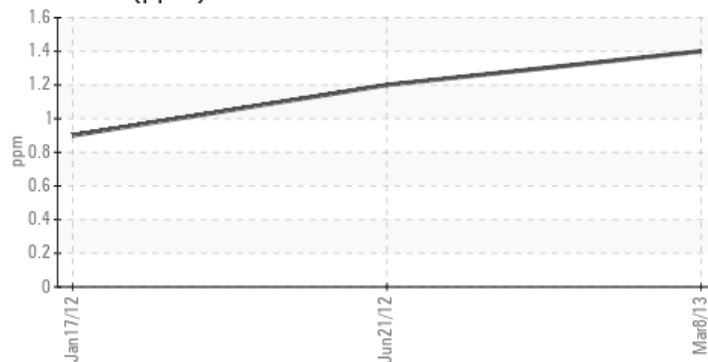


GRAPHS

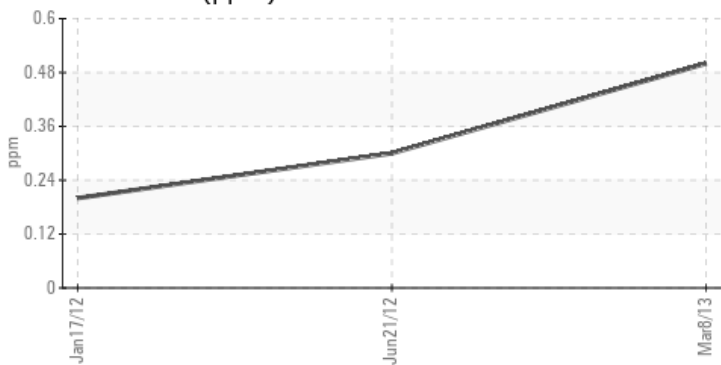
Iron (ppm)



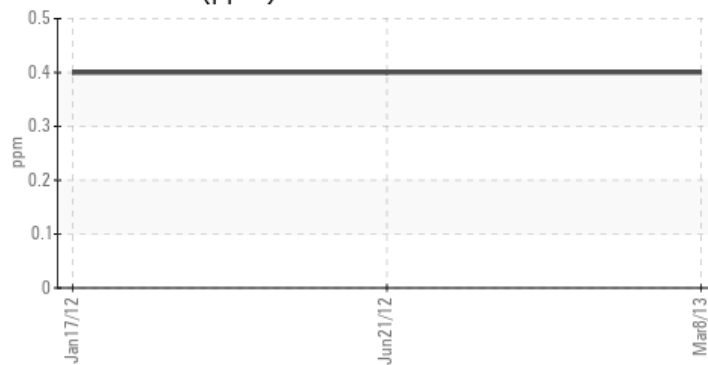
Lead (ppm)



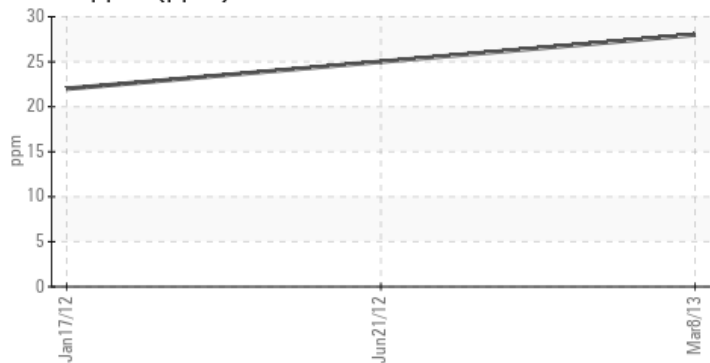
Aluminum (ppm)



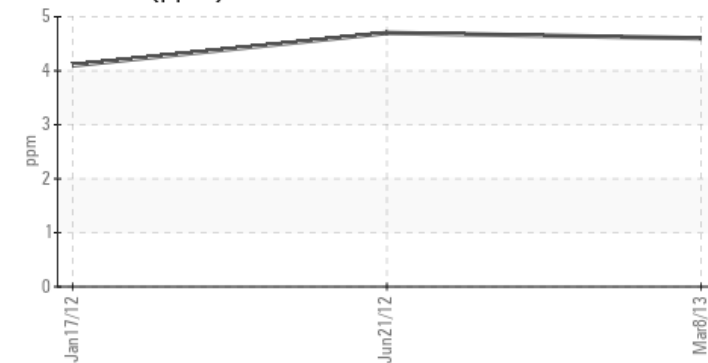
Chromium (ppm)



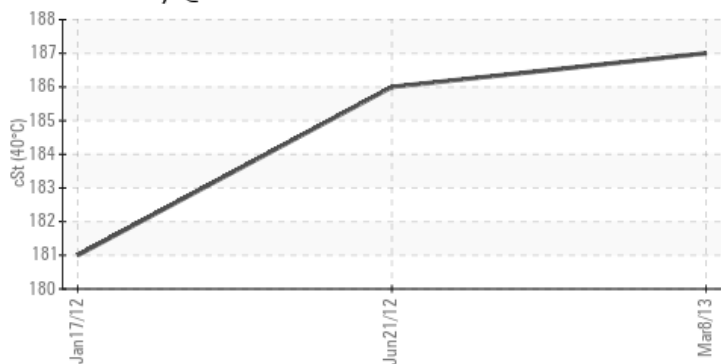
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Acid Number

