

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 054212-1007 - Front Right Final Drive

Sample No: LH0068593

Oil Type: SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0068593	LH0068592	LH0061815	LH0061808
Sample Date	09 Mar 2013	08 Mar 2013	21 Jun 2012	21 Apr 2012
Machine Hours	3147	3147	2183	2183
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	120	131	115	120
		●	●	●	●

T: (418)649-1000  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 8	● 8	● 8	● 7
Sodium	ppm	● 3	● 6	● 3	● 9
Potassium	ppm	● 1	● 2	● 2	● 4

#### 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. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	● 33	● 82	● 22	● 48
Copper	ppm	● 46	● 30	● 35	● 31
Lead	ppm	● 2	● 1	● 2	● 2
Tin	ppm	● 0	● 0	0	0
Aluminum	ppm	● <1	● 2	● <1	● 1
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● <1	● <1	● 1	● <1
Nickel	ppm	<1	<1	● 0	● <1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	● 1	● 2	● <1	● 2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

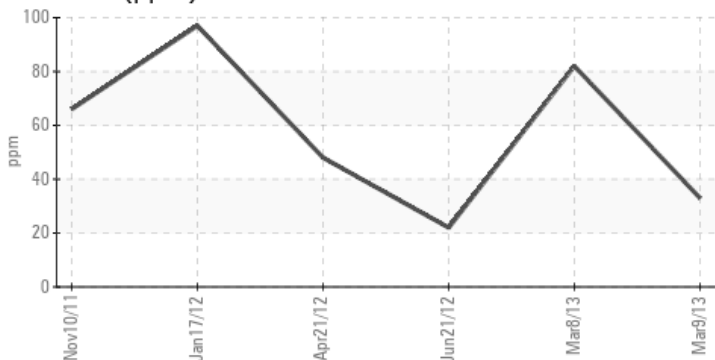
Calcium	ppm	53	32	60	53
Magnesium	ppm	● 4	● 2	● 4	● 4
Zinc	ppm	● 35	● 41	26	25
Phosphorus	ppm	1559	● 1224	1800	1852
Barium	ppm	● 2	● <1	● 2	● 1
Boron	ppm	32	● 103	4	2

Depot: AMELEV  
Unique No: 3676194  
Signed: Wes Davis  
Report Date: 13 Mar 2013

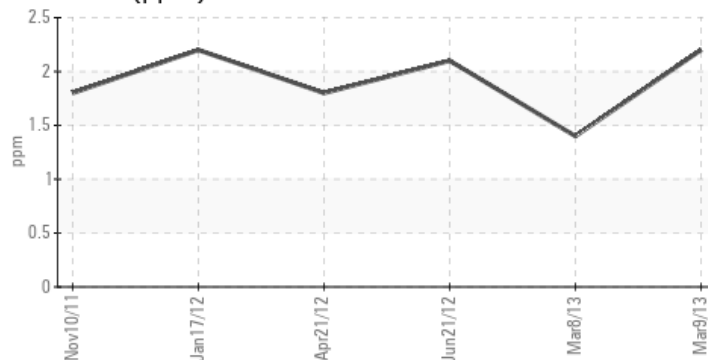


### GRAPHS

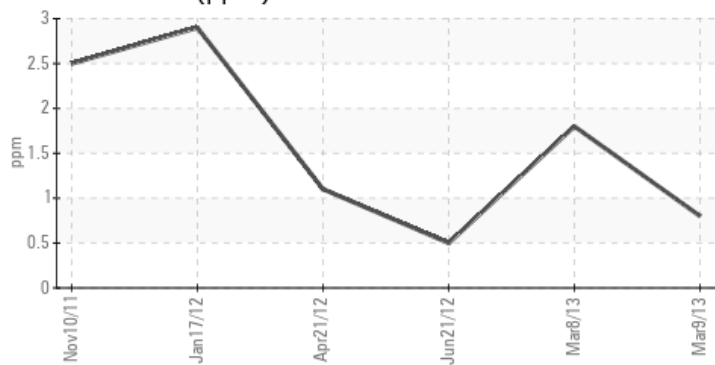
Iron (ppm)



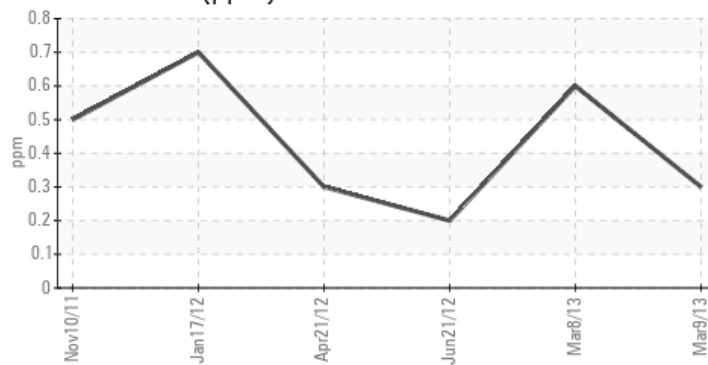
Lead (ppm)



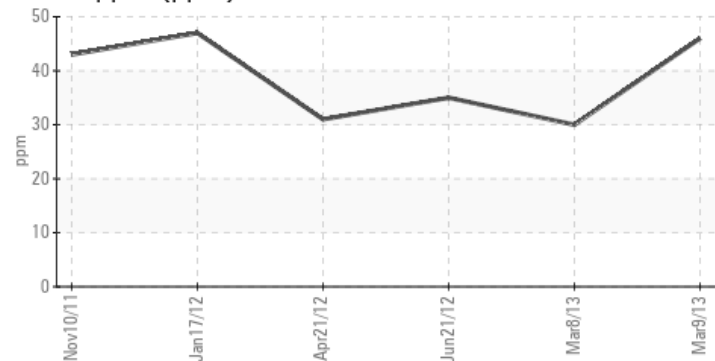
Aluminum (ppm)



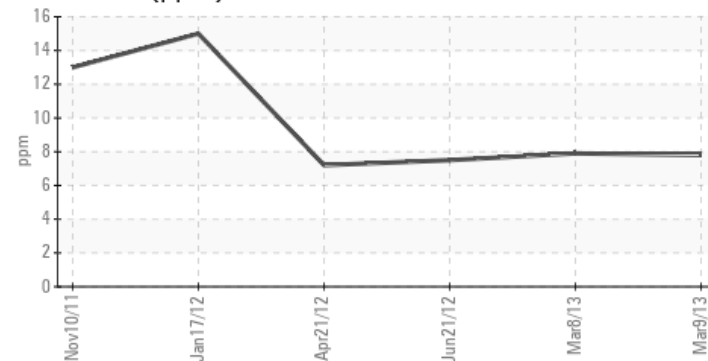
Chromium (ppm)



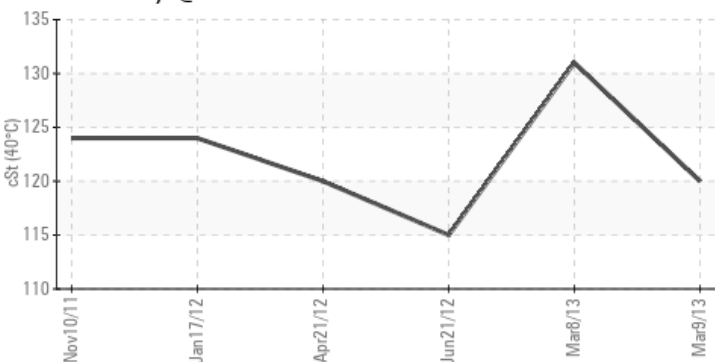
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

