

LIEBHERR

CONSTRUCTION EQUIPMENT



054212-1007 - Front Left Final Drive

Sample No: LH0068617

Oil Type: SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0068617	LH0061809	LH0055669	LH0057187
Sample Date	08 Mar 2013	21 Jun 2012	17 Jan 2012	10 Nov 2011
Machine Hours	3147	2183	1200	949
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	132	120	124	122
Acid Number (AN)	mg KOH/g	2.18	---	3.42	---

T: (418)649-1000
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	10	17	12
Sodium	ppm	6	8	11	10
Potassium	ppm	2	4	3	2

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	72	49	82	56
Copper	ppm	19	22	31	28
Lead	ppm	1	1	2	1
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	2	2	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	30	54	77	66
Magnesium	ppm	2	4	3	2
Zinc	ppm	35	29	55	48
Phosphorus	ppm	1202	1776	1665	1535
Barium	ppm	<1	1	2	1
Boron	ppm	110	5	10	2

Depot: AMELEV
Unique No: 3676173
Signed: Wes Davis
Report Date: 14 Mar 2013



GRAPHS

