

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 025731-460 - Splitter Box

Sample No: LHMC89109

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LHMC89109	LHMC87702	LHMC87695	LHMC57660
Sample Date	13 Feb 2014	11 Dec 2013	10 Oct 2013	09 Aug 2013
Machine Hours	0	5917	5518	5070
Oil Hours	500	399	448	354
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: DAVID CONSTANTINO
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F: x:



OIL CONDITION

Visc @ 40°C	cSt	118.2	133.5	162.9	139.1
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CONTAMINATION

Silicon	ppm	10	11	10	11
Sodium	ppm	<1	0	<1	0
Potassium	ppm	1	<1	<1	<1



WEAR METALS

Iron	ppm	29	29	124	33
Copper	ppm	2	1	1	2
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	1	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	<1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	18	8	15	9
Magnesium	ppm	0	0	0	0
Zinc	ppm	46	12	15	11
Phosphorus	ppm	1017	1137	1866	981
Barium	ppm	0	0	0	0
Boron	ppm	141	184	45	165

Diagnosis

We suspect abnormal contamination may be due to sampling method. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS

Unique No: 6538738

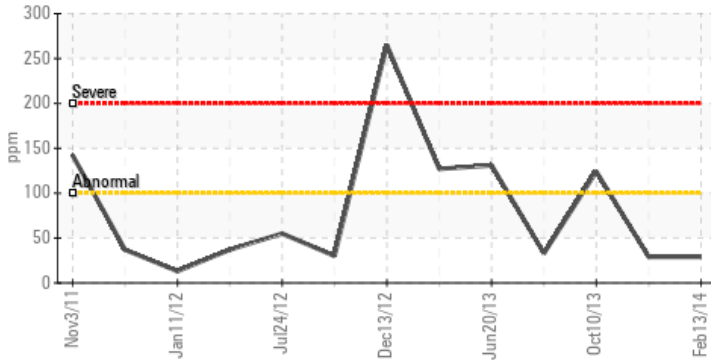
Signed: Don Baldrige

Report Date: 28 Feb 2014

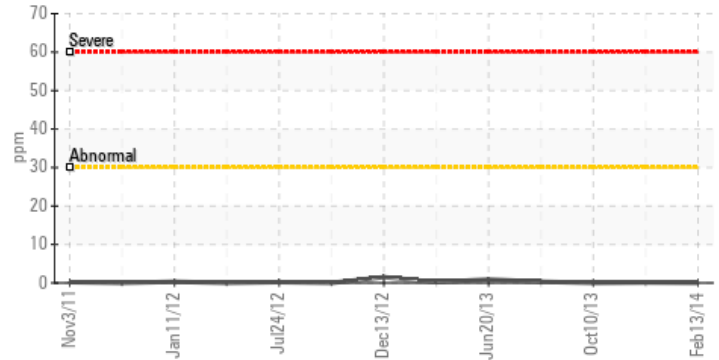


GRAPHS

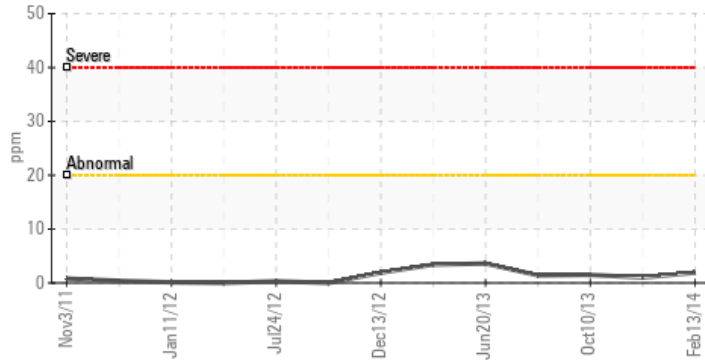
Iron (ppm)



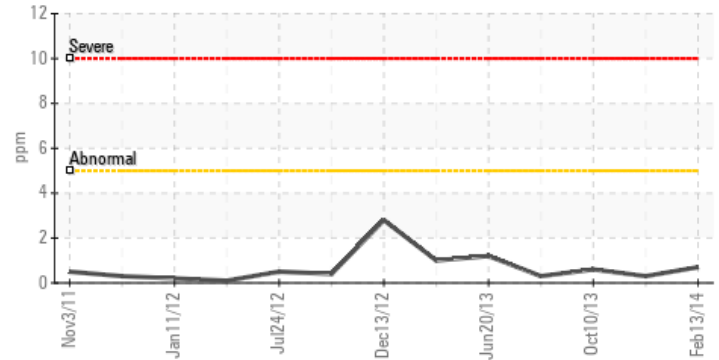
Lead (ppm)



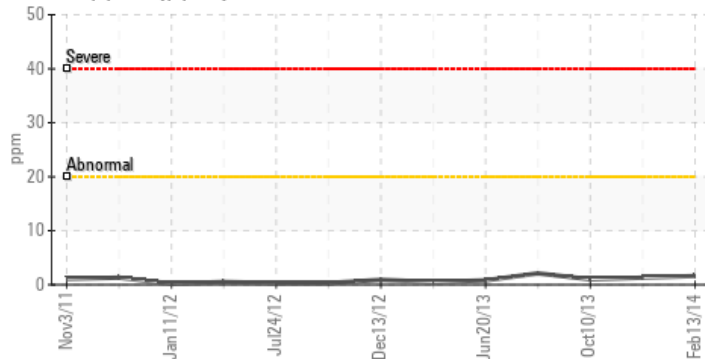
Aluminum (ppm)



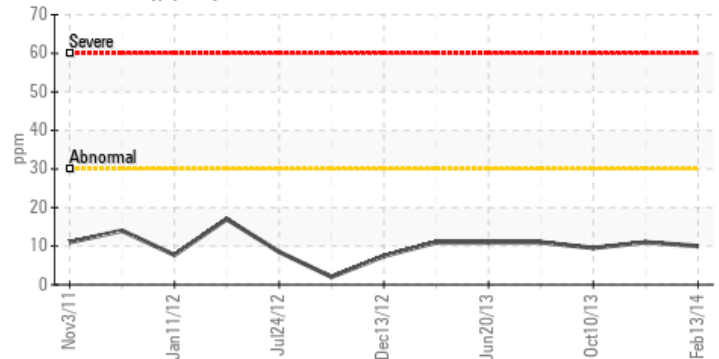
Chromium (ppm)



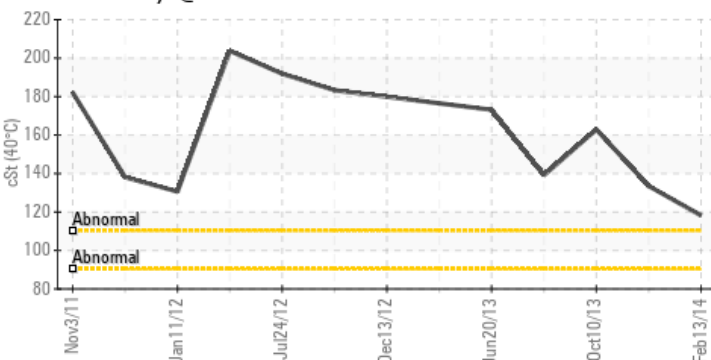
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

