

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 025731-460 - Rear Differential

Sample No: LHMC89297

Oil Type: BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LHMC89297	LHMC87129	LHMC74417	LHMC71664
Sample Date	02 Mar 2014	11 Dec 2013	09 Sep 2013	20 Jun 2013
Machine Hours	0	5917	5291	4716
Oil Hours	500	626	1000	687
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: DAVID CONSTANTINO
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OIL CONDITION

Visc @ 40°C	cSt	196.3	191.8	172.6	177.7
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CONTAMINATION

Silicon	ppm	2	2	4	3
Sodium	ppm	0	0	<1	<1
Potassium	ppm	0	<1	0	2



WEAR METALS

Iron	ppm	94	90	215	196
Copper	ppm	3	2	4	4
Lead	ppm	1	<1	0	3
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	0	1	1
Chromium	ppm	<1	<1	2	1
Molybdenum	ppm	17	17	51	46
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	10	36	33
Magnesium	ppm	0	0	14	12
Zinc	ppm	8	14	37	34
Phosphorus	ppm	909	895	992	964
Barium	ppm	0	0	0	0
Boron	ppm	3	6	12	10

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS

Unique No: 6545491

Signed: Elizabeth Valachovic

Report Date: 04 Mar 2014



GRAPHS

