

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 025731-460 - Gearbox

Sample No: LHMC56747

Oil Type: SAE 90



#### SAMPLE INFORMATION

Sample Number	LHMC56747	LHMC55444	LHMC55447	---
Sample Date	09 Sep 2013	24 Jul 2012	23 Jul 2012	---
Machine Hours	5291	2421	2421	---
Oil Hours	1000	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE  
NEWPORT NEWS, VA  
US 23607

Contact: DAVID CONSTANTINO  
david.constantino@liebherr.com

T: (757)928-2227

F: x:



#### OIL CONDITION

Visc @ 40°C	cSt	140.8	191.4	174.6	---
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#### CONTAMINATION

Silicon	ppm	11	5	5	---
Sodium	ppm	0	<1	<1	---
Potassium	ppm	<1	<1	<1	---



#### WEAR METALS

Iron	ppm	82	276	215	---
Copper	ppm	2	2	2	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	<1	2	2	---
Molybdenum	ppm	0	42	123	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	2	2	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	8	11	24	---
Magnesium	ppm	0	0	0	---
Zinc	ppm	8	40	41	---
Phosphorus	ppm	1120	1230	1177	---
Barium	ppm	0	0	0	---
Boron	ppm	152	4	8	---

#### 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: 6404400  
Signed: Jonathan Hester  
Report Date: 09 Oct 2013



### GRAPHS

