

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 054454-194 - Rear Gearbox

Sample No: LHMC123422

Oil Type: LIEBHERR GEAR BASIC 90 LS



**UNITED STATES GYPSUM**  
 301 RILEY RD  
 EAST CHICAGO, IN  
 US 43612  
 Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LHMC123422	---	---	---
Sample Date	09 Jan 2020	---	---	---
Machine Hours	3409	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 144	---	---	---
-------------	-----	-------	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 0	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 1	---	---	---

#### Diagnosis

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



#### WEAR METALS

Iron	ppm	● 3	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 5	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 2	---	---	---
Phosphorus	ppm	● 1847	---	---	---
Barium	ppm	● 13	---	---	---
Boron	ppm	● 264	---	---	---

**Depot:** UNIEASLH  
**Unique No:** 8883918  
**Signed:** Don Baldrige  
**Report Date:** 16 Jan 2020



### GRAPHS

