

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 1414-56018 - Rear Right Wheel Hub

Sample No: LH06112342

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH06112342	LH06027236	LH05836135	LH05785853
Sample Date	06 Mar 2024	05 Dec 2023	01 May 2023	06 Mar 2023
Machine Hours	15997	0	13020	0
Oil Hours	0	15017	0	1208
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**VERSO CORP - QUINNESEC MILL**  
W6791 US HWY 2  
QUINNESEC, MI  
US 49876  
Contact: ERIC LARSON  
eric.larson@versoco.com  
T:  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	184	170	188	176
-------------	-----	-----	-----	-----	-----



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	6
Sodium	ppm	2	<1	2	2
Potassium	ppm	<1	<1	0	1



#### WEAR METALS

Iron	ppm	96	245	107	117
Copper	ppm	89	109	100	99
Lead	ppm	0	<1	0	<1
Tin	ppm	5	8	5	6
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	37	38	5	31
Magnesium	ppm	1	<1	0	<1
Zinc	ppm	14	35	11	31
Phosphorus	ppm	2333	2637	2613	2540
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

#### Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other 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.

Depot: VERQUI  
Unique No: 10915839  
Signed: Don Baldrige  
Report Date: 11 Mar 2024



### GRAPHS

