

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 1414-56018 - Transmission (Manual)

Sample No: LH0158435

Oil Type: TDTO FLUID SAE 10W



#### SAMPLE INFORMATION

Sample Number	LH0158435	LH05836147	LH0158435	LH0158448
Sample Date	06 Dec 2023	27 Apr 2023	22 Feb 2023	15 Dec 2022
Machine Hours	9000	13020	12081	10993
Oil Hours	0	0	12000	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**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	46.0	46.5	47.5	48.7



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	8	5	4
Sodium	ppm	4	9	4	2
Potassium	ppm	2	0	2	0

#### Diagnosis

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



#### WEAR METALS

Iron	ppm	8	17	10	14
Copper	ppm	<1	1	1	2
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	2	<1	0
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	3626	3282	3145	3063
Magnesium	ppm	8	7	8	6
Zinc	ppm	1514	1268	1357	1280
Phosphorus	ppm	1281	1058	1087	1046
Barium	ppm	0	0	0	0
Boron	ppm	134	117	52	34

**Depot:** VERQUI  
**Unique No:** 10777043  
**Signed:** Don Baldrige  
**Report Date:** 08 Dec 2023

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### GRAPHS

