

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 1414-56018 -Rear Left Wheel Hub

Sample No: LH06112341

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH06112341	LH06027237	LH05836133	LH05785857
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	N/A
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
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F:



OIL CONDITION

Visc @ 40°C	cSt	184	173	188	176
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CONTAMINATION

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



WEAR METALS

Iron	ppm	95	240	103	111
Copper	ppm	89	110	95	93
Lead	ppm	0	0	0	<1
Tin	ppm	5	8	4	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	1	2	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	38	8	5	15
Magnesium	ppm	1	0	0	<1
Zinc	ppm	14	23	12	22
Phosphorus	ppm	2374	2619	2621	2393
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. Moderate concentration of visible metal present. Bearing and/or bushing wear is indicated. 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: 10915838
Signed: Don Baldrige
Report Date: 11 Mar 2024



GRAPHS

