

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 1414-56018 - Front Differential

Sample No: LH06225400

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH06225400	LH06112338	LH06062220	LH06027240
Sample Date	30 Jun 2024	06 Mar 2024	05 Jan 2024	05 Dec 2023
Machine Hours	17000	15997	15250	0
Oil Hours	0	0	0	15017
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	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	189	184	183	175
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	5	1	5
Sodium	ppm	0	2	0	0
Potassium	ppm	2	1	0	<1



Wear Metals

Iron	ppm	109	121	57	269
Copper	ppm	125	117	55	141
Lead	ppm	<1	0	0	<1
Tin	ppm	6	6	2	10
Aluminum	ppm	3	<1	<1	2
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	1	0	0	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	2	1	2
Vanadium	ppm	<1	0	0	0



Additives

Calcium	ppm	70	41	43	29
Magnesium	ppm	1	2	2	0
Zinc	ppm	42	22	16	38
Phosphorus	ppm	2030	2369	2250	2746
Barium	ppm	1	0	0	0
Boron	ppm	6	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. The copper level is abnormal. 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: 11103597
Signed: Don Baldrige
Report Date: 03 Jul 2024



Graphs

