

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 1414-56018 - Rear Differential

Sample No: LH06112340

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH06112340	LH06027241	LH05836132	LH05785856
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	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

VERSO CORP - QUINNESEC MILL
W6791 US HWY 2
QUINNESEC, MI
US 49876
Contact: ERIC LARSON
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OIL CONDITION

Visc @ 40°C	cSt	183	173	187	178
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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

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	93	252	108	111
Copper	ppm	88	116	100	95
Lead	ppm	0	<1	0	0
Tin	ppm	5	9	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	3	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	37	6	5	15
Magnesium	ppm	<1	0	0	<1
Zinc	ppm	14	21	14	22
Phosphorus	ppm	2379	2733	2640	2398
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VERQUI
Unique No: 10915837
Signed: Wes Davis
Report Date: 08 Mar 2024



GRAPHS

