

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 1414-56018 - Splitter Box

Sample No: LH06112337

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH06112337	LH06027238	LH05836130	LH05785854
Sample Date	06 Mar 2024	05 Dec 2023	01 May 2023	07 Mar 2023
Machine Hours	15997	0	13020	0
Oil Hours	0	15017	0	1208
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	154	171	181	180
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	1	1	1
Sodium	ppm	3	31	3	<1
Potassium	ppm	<1	6	0	1



WEAR METALS

Iron	ppm	17	19	18	12
Copper	ppm	2	5	3	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	9	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	1	<1	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	146	4	64	31
Magnesium	ppm	4	<1	4	6
Zinc	ppm	271	0	342	202
Phosphorus	ppm	2160	143	2155	2331
Barium	ppm	0	0	0	0
Boron	ppm	0	0	15	3

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.

Depot: VERQUI
Unique No: 10915834
Signed: Don Baldrige
Report Date: 11 Mar 2024



GRAPHS

