CONSTRUCTION EQUIPMENT

LIEBHERR L580 1414-56018 - Rear Differential

Sample No: LH06027241

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH06027241	LH05836132	LH05785856	VCP05725551
Sample Date	05 Dec 2023	01 May 2023	06 Mar 2023	26 Dec 2022
Machine Hours	0	13020	0	0
Oil Hours	15017	0	1208	10993
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL
OIL CONDITION				
Visc @ 40°C cSt	0 173	187	178	0 169

Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 4	0 4	6	○ 5	
Sodium	ppm	0	2	01	02	
Potassium	ppm	○ <1	0	01	0	

Ä					
WEAI	R METALS				
Iron	ppm	252	0 108	0 111	0 142
Copper	ppm	<u> </u>	0 100	95	0 105
Lead	ppm	○ <1	0	0	0 4
Tin	ppm	09	0 4	6	3
Aluminum	ppm	02	○ <1	○ <1	0
Chromium	ppm	01	○ <1	○ <1	01
Molybdenum	ppm	○ <1	0	0	0
Nickel	ppm	○ <1	0	○ <1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	2	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	06	O 5	0 15	0 14
Magnesium	ppm	0 (0	○ <1	0
Zinc	ppm	0 21	0 14	22	25
Phosphorus	ppm	0 2733	2640	2398	2801
Barium	ppm	0	0	0	0
Boron	ppm	0 ()	0	0	0





VERSO CORP - QUINNESEC MILL W6791 US HWY 2 QUINNESEC, MI US 49876 Contact: ERIC LARSON eric.larson@versoco.com T:

Diagnosis

F:

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. 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:	VERQ
Unique No:	10777
Signed:	Don Ba
Report Date:	08 Dec

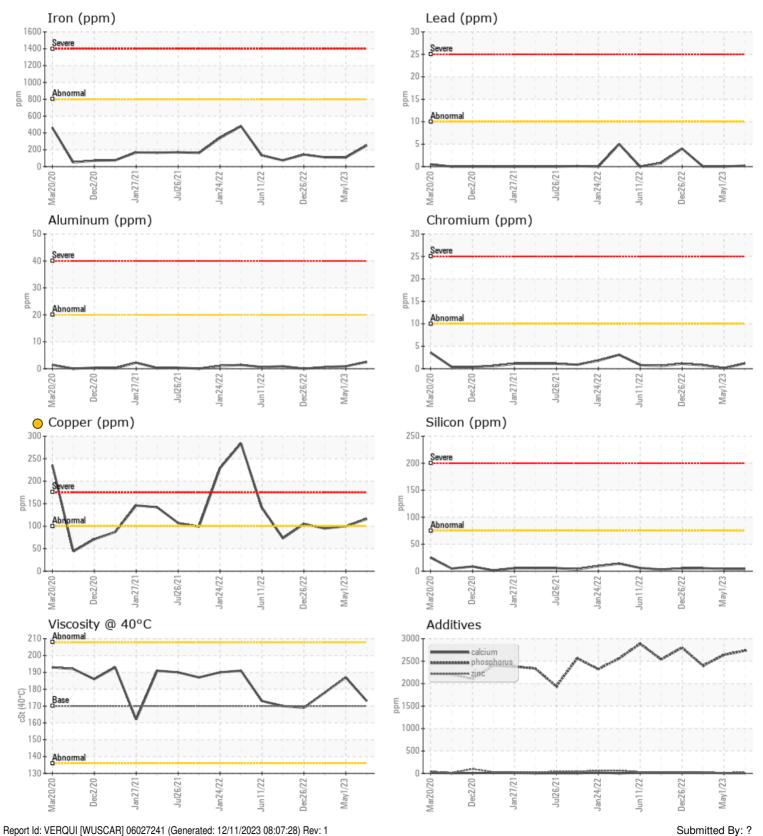
ERQUI 0777032 on Baldridge 3 Dec 2023





GRAPHS

O



Submitted by. ?