



CONSTRUCTION EQUIPMENT

X21386 CRH VOLVO L220H 2898 - FRONT AXLE



Sample No: VCP407015
Oil Type: VOLVO WB 102
Job No: X21386 CRH



SAMPLE INFORMATION

Sample Number	VCP407015	VCP404714	VCP405876	VCP385024
Sample Date	26 Oct 2023	24 Aug 2023	31 May 2023	20 Oct 2022
Machine Hours	6315	6028	5556	4994
Oil Hours	0	2000	500	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

HOUSBY HEAVY EQUIPMENT

PO BOX 1846
 CEDAR RAPIDS, IA
 US 52406

Contact: KEN MAIER
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OIL CONDITION

Visc @ 40°C	cSt	41.5	41.8	44.0	43.0
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CONTAMINATION

Silicon	ppm	9	10	18	13
Sodium	ppm	8	4	3	5
Potassium	ppm	<1	2	1	0



WEAR METALS

Iron	ppm	50	27	21	91
Copper	ppm	2	4	<1	2
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	2	2	2
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	2	4	2	4
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3234	3773	4079	3962
Magnesium	ppm	34	22	34	25
Zinc	ppm	1448	1573	1686	1540
Phosphorus	ppm	1274	1294	1324	1261
Barium	ppm	0	2	0	0
Boron	ppm	96	137	128	134

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0074
Unique No: 10723060
Signed: Don Baldrige
Report Date: 01 Nov 2023



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GRAPHS

