



CONSTRUCTION EQUIPMENT

W14529 VOLVO L110H 632072 - REAR AXLE



Sample No: VCP406595
Oil Type: VOLVO WB 102
Job No: W14529



SAMPLE INFORMATION

Sample Number	VCP406595	VCP426785	VCP381651	VCP384236
Sample Date	07 Aug 2023	02 May 2023	10 Feb 2023	08 Nov 2022
Machine Hours	4539	4013	3531	3030
Oil Hours	500	2000	500	1000
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.5	38.5	61.2	40.6
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CONTAMINATION

Silicon	ppm	17	14	13	17
Sodium	ppm	3	4	4	10
Potassium	ppm	<1	3	3	0



WEAR METALS

Iron	ppm	126	444	420	▲ 588
Copper	ppm	0	3	3	2
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	0	1	2
Chromium	ppm	2	7	7	9
Molybdenum	ppm	5	12	12	17
Nickel	ppm	0	2	2	4
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	11	11	15
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3454	2269	2316	3798
Magnesium	ppm	33	11	11	18
Zinc	ppm	1442	1105	1087	1515
Phosphorus	ppm	1128	929	906	1286
Barium	ppm	0	0	0	0
Boron	ppm	122	79	71	116

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: VOLVO0080
Unique No: 10604478
Signed: Sean Felton
Report Date: 15 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

