



CONSTRUCTION EQUIPMENT

390104 VOLVO L70G 614241 - FRONT AXLE



Sample No: VCP391519
Oil Type: VOLVO WB 102
Job No: 390104



SAMPLE INFORMATION

Sample Number	VCP391519	VCP263068	VCE249097	VCE241550
Sample Date	10 Jan 2024	16 Apr 2020	22 Mar 2018	18 Dec 2015
Machine Hours	16437	10469	6299	2190
Oil Hours	2000	0	2000	2000
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	43.7	39.3	42.5	48.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	8	11	11
Sodium	ppm	6	4	2	2
Potassium	ppm	<1	<1	0	0

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	17	12	14	16
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	2
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	2
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	4035	4255	4039	3836
Magnesium	ppm	14	11	11	13
Zinc	ppm	1575	1710	1599	1535
Phosphorus	ppm	1353	1360	1287	1225
Barium	ppm	0	<1	0	<1
Boron	ppm	121	122	123	106

Depot: VOLVO0252
Unique No: 5709714
Signed: Wes Davis
Report Date: 12 Jan 2024



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GRAPHS

