



CONSTRUCTION EQUIPMENT

A12633 VOLVO A40G 352005 - FRONT AXLE



Sample No: VCP438208
Oil Type: MOBIL GO 102
Job No: A12633



SAMPLE INFORMATION

Sample Number	VCP438208	VCP294652	VCP390863	VCP0000042
Sample Date	06 May 2024	29 Aug 2023	28 Nov 2022	23 Feb 2022
Machine Hours	3670	3205	2725	2080
Oil Hours	2500	2205	0	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
BIRDSBORO, PA
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OIL CONDITION

Visc @ 40°C	cSt	50.5	50.2	49.9	50.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	2	3	3
Sodium	ppm	2	3	3	3
Potassium	ppm	3	2	1	1

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	101	72	69	90
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	2	<1	1	2
Molybdenum	ppm	2	1	2	2
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	3	2	2	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	17	13	22	58
Magnesium	ppm	1	0	2	<1
Zinc	ppm	13	0	11	19
Phosphorus	ppm	2571	2366	2582	2564
Barium	ppm	0	0	0	0
Boron	ppm	264	279	277	279

Depot: DYEBIR
Unique No: 11033068
Signed: Wes Davis
Report Date: 17 May 2024



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GRAPHS

