



CONSTRUCTION EQUIPMENT

A11722 VOLVO A40G DE-1622 (S/N 352023) - DROP BOX



Sample No: VCP441984
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: A11722



SAMPLE INFORMATION

Sample Number	VCP441984	VCP367396	VCB0000009	VCB0000029
Sample Date	09 Jan 2024	29 Nov 2022	21 Oct 2021	31 Mar 2021
Machine Hours	3123	2635	2030	1415
Oil Hours	0	0	1000	415
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	ABNORMAL	NORMAL

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
BIRDSBORO, PA
US 19508
Contact: MATT MCCLELLAND
matt.mcclelland@dyerquarry.com
T:
F: (610)582-2304



OIL CONDITION

Visc @ 40°C	cSt	40.9	41.5	45.4	44.9
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CONTAMINATION

Water	%	NEG	0.015	NEG	NEG
Silicon	ppm	9	16	23	25
Sodium	ppm	2	4	3	4
Potassium	ppm	0	<1	<1	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. Additive levels indicate the addition of a different brand, or type of oil.



WEAR METALS

Iron	ppm	65	70	43	36
Copper	ppm	3	9	9	7
Lead	ppm	2	2	<1	<1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	<1	4	4	2
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	<1	7	6	6
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 540	▲ 177	34	38
Magnesium	ppm	■ 12	5	<1	<1
Zinc	ppm	▲ 550	▲ 406	160	167
Phosphorus	ppm	▲ 540	▲ 790	1449	1670
Barium	ppm	■ 0	0	0	0
Boron	ppm	▲ 13	▲ 21	53	67

Depot: DYEBIR
Unique No: 10822033
Signed: Angela Borella
Report Date: 10 Jan 2024



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GRAPHS

