



CONSTRUCTION EQUIPMENT

125204 VOLVO A40G 342574 - FRONT AXLE



Sample No: VCP368110
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 125204



SAMPLE INFORMATION

Sample Number	VCP368110	VCP327681	VCP305219	VCP280324
Sample Date	06 Dec 2022	24 Sep 2021	25 Feb 2021	13 Oct 2020
Machine Hours	5696	4288	3528	2953
Oil Hours	0	0	500	1000
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT

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 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	138	144	117	240
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	0	10	3
Sodium	ppm	0	1	3	0
Potassium	ppm	0	0	<1	0

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.



WEAR METALS

Iron	ppm	48	24	54	31
Copper	ppm	0	<1	3	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	0	▲ 31	0
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	0	<1	13	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	19	23	60	41
Magnesium	ppm	0	0	<1	<1
Zinc	ppm	9	3	28	8
Phosphorus	ppm	1041	978	1222	929
Barium	ppm	0	0	0	0
Boron	ppm	220	246	192	192

Depot: VOLV00142
Unique No: 10255045
Signed: Jonathan Hester
Report Date: 14 Dec 2022



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GRAPHS

