



CONSTRUCTION EQUIPMENT

427234 BREVARD CO VOLVO A40G 352381 - DROP BOX



Sample No: VCP432304
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 427234 BREVARD CO



SAMPLE INFORMATION

Sample Number	VCP432304	VCP399701	VCP376916	VCP377381
Sample Date	11 Dec 2023	02 Mar 2023	15 Sep 2022	17 May 2022
Machine Hours	7150	5782	4951	4316
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	149	274	289	224
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	14	6	12
Sodium	ppm	0	<1	1	3
Potassium	ppm	9	<1	0	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	975	936	116	252
Copper	ppm	5	5	2	4
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	18	11	2	4
Molybdenum	ppm	13	13	10	10
Nickel	ppm	6	3	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	12	8	1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	220	49	49	46
Magnesium	ppm	37	14	15	10
Zinc	ppm	131	37	47	59
Phosphorus	ppm	781	842	932	1225
Barium	ppm	0	0	0	0
Boron	ppm	69	79	97	99

Depot: VOLVO0096
Unique No: 10789022
Signed: Don Baldrige
Report Date: 17 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

