



CONSTRUCTION EQUIPMENT

687121 APTIM VOLVO A35G 340236 - FRONT AXLE



Sample No: VCP437940
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 687121 APTIM



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP437940	VCP437886	VCP424160	VCP353525
Sample Date	12 Mar 2024	26 Feb 2024	25 May 2023	31 Aug 2022
Machine Hours	8945	7992	6888	5673
Oil Hours	3000	4000	4000	1600
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	53.8	52.2	51.3	52.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	8	3	4
Sodium	ppm	2	5	0	<1
Potassium	ppm	0	2	1	2



WEAR METALS

Iron	ppm	571	496	207	185
Copper	ppm	4	8	6	5
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	2	0	<1
Chromium	ppm	7	6	2	2
Molybdenum	ppm	8	11	4	4
Nickel	ppm	3	3	2	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	20	19	10	10
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	39	88	56	108
Magnesium	ppm	3	2	<1	<1
Zinc	ppm	81	76	48	65
Phosphorus	ppm	2647	2635	2431	2583
Barium	ppm	0	0	0	2
Boron	ppm	128	127	117	136

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 oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10976329
Signed: Don Baldrige
Report Date: 15 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

