



CONSTRUCTION EQUIPMENT

717070 APTIM VOLVO A35G 340238 - DIESEL ENGINE



Sample No: VCP451199
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 717070 APTIM



SAMPLE INFORMATION

Sample Number	VCP451199	VCP430483	VCP440806	VCP417584
Sample Date	29 May 2024	22 Feb 2024	26 Oct 2023	31 May 2023
Machine Hours	10638	10080	9506	8953
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	11.8	12.0	12.1	12.2
Base Number (BN)	mg KOH/g	9.0	8.4	9.5	9.1
Oxidation (PA)	%	69	65	81	84



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	67	68	68	66
Sulfation (PA)	%	56	54	60	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	6	4
Sodium	ppm	4	<1	3	3
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	6	4	7	6
Copper	ppm	1	0	<1	<1
Lead	ppm	1	<1	1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	3	3	0
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	43	54	41	43
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1546	1283	1609	1655
Magnesium	ppm	617	795	495	508
Zinc	ppm	1107	1194	1114	1080
Phosphorus	ppm	964	1019	926	902
Barium	ppm	0	0	0	0
Boron	ppm	27	7	25	26

Diagnosis

Oil and filter change at the time of sampling has been noted. 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. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 11071683
Signed: Sean Felton
Report Date: 12 Jun 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

