



CONSTRUCTION EQUIPMENT

701822 APTIM VOLVO A35G 340083 - DIESEL ENGINE



Sample No: VCP444343
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 701822 APTIM



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP444343	VCP432140	VCP395732	VCP340004
Sample Date	17 Apr 2024	24 Oct 2023	08 Feb 2023	31 Aug 2022
Machine Hours	6498	5943	5438	4966
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ABNORMAL	ATTENTION	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	12.2	12.0	12.3	12.6
Base Number (BN)	mg KOH/g	6.0	9.3	9.5	9.7
Oxidation (PA)	%	59	79	80	94



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	1.1	0.4	0.3	0.5
Nitration (PA)	%	83	64	68	89
Sulfation (PA)	%	60	60	61	69
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.9	<1.0
Silicon	ppm	8	23	5	4
Sodium	ppm	2	3	2	3
Potassium	ppm	2	0	0	<1



WEAR METALS

Iron	ppm	12	20	19	20
Copper	ppm	2	2	1	2
Lead	ppm	1	<1	1	1
Tin	ppm	1	1	1	2
Aluminum	ppm	5	6	2	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	43	41	40	38
Nickel	ppm	5	1	<1	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	<1	<1	0	<1



ADDITIVES

Calcium	ppm	1606	1572	1592	1522
Magnesium	ppm	526	505	489	448
Zinc	ppm	1117	1086	1041	1027
Phosphorus	ppm	1018	904	843	846
Barium	ppm	0	0	0	3
Boron	ppm	28	33	29	18

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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: 11036745
Signed: Jonathan Hester
Report Date: 23 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

