



CONSTRUCTION EQUIPMENT

554300 APTIM VOLVO A35G 340101 - DIESEL ENGINE



Sample No: VCP417588
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 554300 APTIM



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SAMPLE INFORMATION

Sample Number	VCP417588	VCP395759	VCP159357	---
Sample Date	24 May 2023	31 Jan 2023	31 May 2015	---
Machine Hours	7984	7430	628	---
Oil Hours	500	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.2	13.0	13.25	---
Base Number (BN)	mg KOH/g	9.4	8.1	---	---
Oxidation (PA)	%	83	88	52	---



CONTAMINATION

Soot %	%	0.3	0.5	0	---
Nitration (PA)	%	64	90	50	---
Sulfation (PA)	%	61	64	42	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.8	<1.0	<1.0	---
Silicon	ppm	6	9	10	---
Sodium	ppm	3	4	5	---
Potassium	ppm	0	1	4	---



WEAR METALS

Iron	ppm	8	15	10	---
Copper	ppm	6	2	10	---
Lead	ppm	0	2	0	---
Tin	ppm	<1	1	0	---
Aluminum	ppm	1	6	1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	44	45	55	---
Nickel	ppm	<1	2	1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1689	1780	1624	---
Magnesium	ppm	502	512	1086	---
Zinc	ppm	1082	1165	1259	---
Phosphorus	ppm	903	955	1182	---
Barium	ppm	0	0	0	---
Boron	ppm	33	13	52	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10525542
Signed: Wes Davis
Report Date: 24 Jun 2023



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GRAPHS

