



CONSTRUCTION EQUIPMENT

594437 CADILLAC ASPH VOLVO L25H 1420326 - DIESEL ENGINE



Sample No: VCP435344
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 594437 CADILLAC ASPH



SAMPLE INFORMATION

Sample Number	VCP435344	VCP381527	VCP388427	---
Sample Date	29 Aug 2023	21 Dec 2022	14 Oct 2022	---
Machine Hours	2010	1239	891	---
Oil Hours	0	500	891	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	MARGINAL	ABNORMAL	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.5	▲ 11.4	---
Base Number (BN)	mg KOH/g	9.0	9.3	8.9	---
Oxidation (PA)	%	90	71	104	---

CONTAMINATION

Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	78	72	94	---
Sulfation (PA)	%	63	55	69	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.4	---
Silicon	ppm	5	5	13	---
Sodium	ppm	4	2	3	---
Potassium	ppm	<1	2	0	---

WEAR METALS

Iron	ppm	9	8	22	---
Copper	ppm	▲ 42	▲ 32	▲ 121	---
Lead	ppm	0	2	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	1	3	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	49	55	37	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	1	4	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1718	1371	1929	---
Magnesium	ppm	714	930	460	---
Zinc	ppm	1313	1347	1072	---
Phosphorus	ppm	1038	1032	875	---
Barium	ppm	0	0	4	---
Boron	ppm	32	7	34	---

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. The copper level is abnormal. All other component wear rates are normal. 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: VOLVO2990
Unique No: 10632443
Signed: Don Baldrige
Report Date: 06 Sep 2023



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GRAPHS

