



CONSTRUCTION EQUIPMENT

S766 ACROMIN ELDER C VOLVO L110H 632149 - DIESEL ENGINE



Sample No: VCP424185
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S766 ACROMIN ELDER C



SAMPLE INFORMATION

Sample Number	VCP424185	VCP426747	VCP375435	---
Sample Date	22 Sep 2023	25 May 2023	05 Oct 2022	---
Machine Hours	5459	4640	3057	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	13.5	13.4	13.7	---
Base Number (BN)	mg KOH/g	9.1	10.2	11.5	---
Oxidation (PA)	%	96	89	95	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.5	0.4	0.5	---
Nitration (PA)	%	83	73	77	---
Sulfation (PA)	%	65	65	70	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	11	9	9	---
Sodium	ppm	3	3	2	---
Potassium	ppm	0	<1	<1	---



WEAR METALS

Iron	ppm	14	12	19	---
Copper	ppm	2	<1	6	---
Lead	ppm	2	1	1	---
Tin	ppm	1	<1	2	---
Aluminum	ppm	5	6	7	---
Chromium	ppm	1	1	1	---
Molybdenum	ppm	42	42	41	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1790	1760	1834	---
Magnesium	ppm	553	525	525	---
Zinc	ppm	1207	1235	1227	---
Phosphorus	ppm	968	1006	1008	---
Barium	ppm	0	0	0	---
Boron	ppm	23	30	26	---

Depot: VOLVO4485
Unique No: 10669357
Signed: Jonathan Hester
Report Date: 28 Sep 2023



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GRAPHS

