



CONSTRUCTION EQUIPMENT

SW-32760-2 AMCOR VOLVO L110H 632720 - DIESEL ENGINE



Sample No: VCP446821
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-32760-2 AMCOR



SAMPLE INFORMATION

Sample Number	VCP446821	VCP324501	VCP438069	---
Sample Date	08 Apr 2024	22 Feb 2024	11 Jan 2024	---
Machine Hours	2388	1792	1250	---
Oil Hours	550	500	1250	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.3	13.1	---
Base Number (BN)	mg KOH/g	7.1	8.1	9.1	---
Oxidation (PA)	%	47	51	73	---

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

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.3	0.4	---
Nitration (PA)	%	59	58	63	---
Sulfation (PA)	%	50	49	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	4	12	---
Sodium	ppm	<1	<1	4	---
Potassium	ppm	2	1	2	---



WEAR METALS

Iron	ppm	10	11	37	---
Copper	ppm	5	7	32	---
Lead	ppm	1	2	5	---
Tin	ppm	2	1	4	---
Aluminum	ppm	4	6	25	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	33	41	44	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	1	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	1972	1505	1482	---
Magnesium	ppm	403	593	729	---
Zinc	ppm	1181	1193	1242	---
Phosphorus	ppm	1010	958	1064	---
Barium	ppm	0	0	12	---
Boron	ppm	22	16	28	---

Depot: VOLVO8770
Unique No: 10978437
Signed: Wes Davis
Report Date: 15 Apr 2024



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GRAPHS

