



CONSTRUCTION EQUIPMENT

9609 CALTON AUTO VOLVO L70H 623834 - DIESEL ENGINE



Sample No: VCP388535
Oil Type: CHEVRON 15W40
Job No: 9609 CALTON AUTO



SAMPLE INFORMATION

Sample Number	VCP388535	VCP423087	VCP396763	---
Sample Date	08 Nov 2023	22 May 2023	17 Feb 2023	---
Machine Hours	1978	1503	1004	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.4	12.9	---
Base Number (BN)	mg KOH/g	6.6	8.1	6.8	---
Oxidation (PA)	%	60	59	68	---



CONTAMINATION

Soot %	%	0.2	0.2	0.1	---
Nitration (PA)	%	50	62	87	---
Sulfation (PA)	%	58	58	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	6	9	---
Sodium	ppm	0	1	2	---
Potassium	ppm	1	1	<1	---



WEAR METALS

Iron	ppm	7	9	18	---
Copper	ppm	0	<1	3	---
Lead	ppm	2	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	3	4	9	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	95	94	110	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1405	1454	1572	---
Magnesium	ppm	438	493	663	---
Zinc	ppm	1345	1156	939	---
Phosphorus	ppm	1148	980	775	---
Barium	ppm	0	0	0	---
Boron	ppm	427	417	341	---

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.

Depot: VOLV00150
Unique No: 10739032
Signed: Wes Davis
Report Date: 14 Nov 2023



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GRAPHS

