



CONSTRUCTION EQUIPMENT

9615 LKQ EDGEWOOD VOLVO L70H 622354 - DIESEL ENGINE



Sample No: VCP426157
Oil Type: CHEVRON 15W40
Job No: 9615 LKQ EDGEWOOD



SAMPLE INFORMATION

Sample Number	VCP426157	VCP218866	VCP216895	---
Sample Date	13 Sep 2023	05 Feb 2018	11 Oct 2017	---
Machine Hours	3040	867	510	---
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	12.5	13.94	13.09	---
Base Number (BN)	mg KOH/g	8.9	---	---	---
Oxidation (PA)	%	66	48	56	---

CONTAMINATION

Soot %	%	0.2	0	0.1	---
Nitration (PA)	%	60	58	58	---
Sulfation (PA)	%	55	47	50	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	7	26	---
Sodium	ppm	2	4	8	---
Potassium	ppm	<1	5	0	---

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.

WEAR METALS

Iron	ppm	14	10	29	---
Copper	ppm	2	0	9	---
Lead	ppm	0	<1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	17	6	32	---
Chromium	ppm	1	2	5	---
Molybdenum	ppm	68	30	41	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	14	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	5	---
Vanadium	ppm	0	0	<1	---

ADDITIVES

Calcium	ppm	1403	1440	1078	---
Magnesium	ppm	647	724	783	---
Zinc	ppm	1094	779	976	---
Phosphorus	ppm	912	641	897	---
Barium	ppm	0	0	<1	---
Boron	ppm	93	69	39	---

Depot: VOLV00150
Unique No: 10657351
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

