



CONSTRUCTION EQUIPMENT

VOLVO L150H 6967 - DIESEL ENGINE



Sample No: VCP419621
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP419621	VCP354791	VCP330753	---
Sample Date	13 Jul 2023	15 Jul 2022	03 Dec 2021	---
Machine Hours	0	2030	1059	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

COWIN EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.1	13.6	---
Base Number (BN)	mg KOH/g	10.1	11.2	9.7	---
Oxidation (PA)	%	85	86	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

Soot %	%	0.2	0.2	0.2	---
Nitration (PA)	%	74	62	58	---
Sulfation (PA)	%	62	66	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	4	6	---
Sodium	ppm	2	2	2	---
Potassium	ppm	3	2	<1	---



WEAR METALS

Iron	ppm	8	5	7	---
Copper	ppm	2	2	9	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	1	<1	2	---
Aluminum	ppm	2	1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	38	41	59	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1798	1608	1847	---
Magnesium	ppm	481	461	427	---
Zinc	ppm	1154	1078	1232	---
Phosphorus	ppm	940	872	1063	---
Barium	ppm	0	0	0	---
Boron	ppm	45	46	92	---

Depot: VOLVO8532
Unique No: 10562281
Signed: Wes Davis
Report Date: 18 Jul 2023



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GRAPHS

