



CONSTRUCTION EQUIPMENT

IAA VOLVO L90H 623327 - DIESEL ENGINE



Sample No: VCP420743
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: IAA



SAMPLE INFORMATION

Sample Number	VCP420743	VCP351800	---	---
Sample Date	26 Jan 2024	28 Oct 2022	---	---
Machine Hours	11046	9997	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.3	---	---
Base Number (BN)	mg KOH/g	9.6	11.5	---	---
Oxidation (PA)	%	81	88	---	---

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	---	---
Soot %	%	0.7	0.7	---	---
Nitration (PA)	%	71	77	---	---
Sulfation (PA)	%	61	67	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	13	9	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	6	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	46	49	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1648	1802	---	---
Magnesium	ppm	435	543	---	---
Zinc	ppm	1136	1109	---	---
Phosphorus	ppm	976	949	---	---
Barium	ppm	0	0	---	---
Boron	ppm	28	28	---	---

Depot: VOLVO0052
Unique No: 10860030
Signed: Wes Davis
Report Date: 02 Feb 2024



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GRAPHS

