



CONSTRUCTION EQUIPMENT

323806 PRINCE CONTR VOLVO L90H 626547 - DIESEL ENGINE



Sample No: VCP422949
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 323806 PRINCE CONTR



SAMPLE INFORMATION

Sample Number	VCP422949	VCP420196	---	---
Sample Date	01 Aug 2023	02 May 2023	---	---
Machine Hours	1131	505	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.7	---	---
Base Number (BN)	mg KOH/g	9.4	10.1	---	---
Oxidation (PA)	%	78	76	---	---



CONTAMINATION

Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	60	59	---	---
Sulfation (PA)	%	58	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	17	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	2	3	---	---

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	16	26	---	---
Copper	ppm	2	9	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	7	30	---	---
Chromium	ppm	2	3	---	---
Molybdenum	ppm	43	45	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1727	1540	---	---
Magnesium	ppm	551	524	---	---
Zinc	ppm	1212	1104	---	---
Phosphorus	ppm	987	947	---	---
Barium	ppm	0	0	---	---
Boron	ppm	28	77	---	---

Depot: VOLVO0093
Unique No: 10601863
Signed: Wes Davis
Report Date: 11 Aug 2023



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GRAPHS

