



CONSTRUCTION EQUIPMENT

129359 IAA VOLVO L90H 625029 - DIESEL ENGINE



Sample No: VCP420722
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 129359 IAA



SAMPLE INFORMATION

Sample Number	VCP420722	VCP424732	VCP351793	---
Sample Date	23 Aug 2023	10 May 2023	01 Nov 2022	---
Machine Hours	6122	5493	4515	---
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	12.9	12.3	13.3	---
Base Number (BN)	mg KOH/g	9.7	10.5	12.4	---
Oxidation (PA)	%	74	81	86	---

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	0.1	0.2	---
Nitration (PA)	%	59	58	64	---
Sulfation (PA)	%	57	61	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	0.4	<1.0	---
Silicon	ppm	4	4	5	---
Sodium	ppm	3	2	2	---
Potassium	ppm	3	0	0	---



WEAR METALS

Iron	ppm	5	4	11	---
Copper	ppm	<1	<1	1	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	4	2	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	38	46	50	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1590	1782	1778	---
Magnesium	ppm	468	488	534	---
Zinc	ppm	1076	1183	1113	---
Phosphorus	ppm	863	944	937	---
Barium	ppm	0	0	0	---
Boron	ppm	32	47	50	---

Depot: VOLVO0052
Unique No: 10622192
Signed: Wes Davis
Report Date: 29 Aug 2023



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GRAPHS

