



CONSTRUCTION EQUIPMENT

319992 IAA VOLVO L90H 626972 - DIESEL ENGINE



Sample No: VCP368545
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 319992 IAA



SAMPLE INFORMATION

Sample Number	VCP368545	VCP350409	---	---
Sample Date	17 Jun 2024	05 Dec 2023	---	---
Machine Hours	2067	1066	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 13.0	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 8.8	---	---
Oxidation (PA)	%	89	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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.5	█ 0.5	---	---
Nitration (PA)	%	77	73	---	---
Sulfation (PA)	%	63	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 9	▲ 20	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 0	█ <1	---	---



WEAR METALS

Iron	ppm	█ 23	█ 39	---	---
Copper	ppm	█ 3	█ 5	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 3	● 5	---	---
Chromium	ppm	█ 1	█ 3	---	---
Molybdenum	ppm	█ 49	█ 42	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 2111	█ 1682	---	---
Magnesium	ppm	█ 618	█ 601	---	---
Zinc	ppm	█ 1390	█ 1195	---	---
Phosphorus	ppm	█ 1138	█ 1016	---	---
Barium	ppm	█ <1	█ 3	---	---
Boron	ppm	█ 31	█ 31	---	---

Depot: VOLVO1272
Unique No: 11090614
Signed: Wes Davis
Report Date: 25 Jun 2024



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GRAPHS

