



CONSTRUCTION EQUIPMENT

SW1036152 IAA VOLVO L90H 626979 - DIESEL ENGINE



Sample No: VCP437820
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1036152 IAA



SAMPLE INFORMATION

Sample Number	VCP437820	VCP438172	VCP441356	---
Sample Date	12 Jun 2024	15 Mar 2024	01 Dec 2023	---
Machine Hours	1803	1167	542	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.3	12.3	---
Base Number (BN)	mg KOH/g	8.5	10.1	9.8	---
Oxidation (PA)	%	67	80	80	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.5	0.6	0.4	---
Nitration (PA)	%	69	72	63	---
Sulfation (PA)	%	56	60	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	8	20	---
Sodium	ppm	1	2	5	---
Potassium	ppm	<1	0	2	---

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	19	24	35	---
Copper	ppm	1	2	8	---
Lead	ppm	0	0	0	---
Tin	ppm	0	1	4	---
Aluminum	ppm	1	4	16	---
Chromium	ppm	<1	1	3	---
Molybdenum	ppm	50	47	42	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	4	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1229	1590	1590	---
Magnesium	ppm	805	694	601	---
Zinc	ppm	1160	1204	1192	---
Phosphorus	ppm	982	1025	975	---
Barium	ppm	0	<1	0	---
Boron	ppm	5	20	40	---

Depot: VOLVO6174
Unique No: 11087208
Signed: Wes Davis
Report Date: 20 Jun 2024



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GRAPHS

