



CONSTRUCTION EQUIPMENT

225474 VOLVO L90H 625933 - DIESEL ENGINE



Sample No: VCP434501
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 225474



SAMPLE INFORMATION

Sample Number	VCP434501	VCP371497	VCP384093	---
Sample Date	04 Dec 2023	20 Jul 2023	15 May 2023	---
Machine Hours	4532	3576	2975	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

IAA - INSURANCE AUTO AUCTIONS - WESTCHESTER VC
 2 WESTBROOK CORPORATE CENTER STE. 5
 WESTCHESTER, IL
 US 60154
 Contact: BILLY BUTLER

OIL CONDITION

Visc @ 100°C	cSt	13.1	13.3	13.7	---
Base Number (BN)	mg KOH/g	9.7	9.7	9.0	---
Oxidation (PA)	%	92	86	101	---

T: (404)275-6868
 F:

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	NEG	---
Soot %	%	0.6	0.6	0.9	---
Nitration (PA)	%	82	77	99	---
Sulfation (PA)	%	64	63	70	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	9	7	10	---
Sodium	ppm	<1	3	<1	---
Potassium	ppm	2	1	2	---

WEAR METALS

Iron	ppm	22	25	58	---
Copper	ppm	1	2	7	---
Lead	ppm	<1	<1	1	---
Tin	ppm	1	<1	2	---
Aluminum	ppm	4	4	5	---
Chromium	ppm	1	1	3	---
Molybdenum	ppm	43	39	44	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	1647	1823	1782	---
Magnesium	ppm	504	550	519	---
Zinc	ppm	1106	1182	1185	---
Phosphorus	ppm	882	908	966	---
Barium	ppm	11	0	0	---
Boron	ppm	27	26	23	---

Depot: INSWES
Unique No: 10782836
Signed: Wes Davis
Report Date: 14 Dec 2023



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GRAPHS

