



CONSTRUCTION EQUIPMENT

S50401912 VOLVO L90H 626431 - DIESEL ENGINE



Sample No: VCP435183
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401912



SAMPLE INFORMATION

Sample Number	VCP435183	VCP404199	---	---
Sample Date	17 Oct 2023	02 Mar 2023	---	---
Machine Hours	2518	1107	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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	13.8	12.7	---	---
Base Number (BN)	mg KOH/g	8.8	9.3	---	---
Oxidation (PA)	%	90	78	---	---

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

Soot %	%	0.3	0.4	---	---
Nitration (PA)	%	81	68	---	---
Sulfation (PA)	%	64	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	15	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	8	0	---	---



WEAR METALS

Iron	ppm	13	54	---	---
Copper	ppm	2	10	---	---
Lead	ppm	2	1	---	---
Tin	ppm	1	3	---	---
Aluminum	ppm	9	▲ 51	---	---
Chromium	ppm	<1	9	---	---
Molybdenum	ppm	51	40	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1634	1638	---	---
Magnesium	ppm	506	557	---	---
Zinc	ppm	1155	1100	---	---
Phosphorus	ppm	956	880	---	---
Barium	ppm	0	0	---	---
Boron	ppm	62	32	---	---

Depot: INSWES
Unique No: 10724533
Signed: Wes Davis
Report Date: 02 Nov 2023



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GRAPHS

