



CONSTRUCTION EQUIPMENT

S50401926 VOLVO L90H 626419 - DIESEL ENGINE



Sample No: VCP441930
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401926



SAMPLE INFORMATION

Sample Number	VCP441930	VCP405336	VCP369156	---
Sample Date	17 Oct 2023	06 Mar 2023	06 Mar 2023	---
Machine Hours	0	1076	1076	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	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	12.9	13.2	13.4	---
Base Number (BN)	mg KOH/g	10.6	10.6	9.5	---
Oxidation (PA)	%	83	83	85	---

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 %	%	0.2	0.2	0.6	---
Nitration (PA)	%	54	61	81	---
Sulfation (PA)	%	62	63	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	4	14	---
Sodium	ppm	2	3	4	---
Potassium	ppm	1	<1	<1	---



WEAR METALS

Iron	ppm	6	6	58	---
Copper	ppm	0	<1	8	---
Lead	ppm	<1	<1	1	---
Tin	ppm	<1	0	4	---
Aluminum	ppm	2	2	68	---
Chromium	ppm	<1	<1	10	---
Molybdenum	ppm	40	41	41	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1596	1809	1811	---
Magnesium	ppm	509	555	643	---
Zinc	ppm	1101	1241	1293	---
Phosphorus	ppm	942	1020	1040	---
Barium	ppm	0	0	0	---
Boron	ppm	36	45	30	---

Depot: INSWES
Unique No: 10724519
Signed: Wes Davis
Report Date: 02 Nov 2023



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GRAPHS

