



CONSTRUCTION EQUIPMENT

S50403871 VOLVO L90H 626386 - DIESEL ENGINE



Sample No: VCP455411
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50403871



SAMPLE INFORMATION

Sample Number	VCP455411	VCP435931	---	---
Sample Date	18 Jun 2024	19 Dec 2023	---	---
Machine Hours	3473	8479	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	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	12.4	13.1	---	---
Base Number (BN)	mg KOH/g	10.1	10.3	---	---
Oxidation (PA)	%	80	84	---	---

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	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	57	63	---	---
Sulfation (PA)	%	61	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

Iron	ppm	6	10	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	41	43	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1963	1784	---	---
Magnesium	ppm	554	560	---	---
Zinc	ppm	1277	1242	---	---
Phosphorus	ppm	1061	1069	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	34	31	---	---

Depot: INSWES
Unique No: 11088499
Signed: Wes Davis
Report Date: 21 Jun 2024



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GRAPHS

