



CONSTRUCTION EQUIPMENT

S50401332 VOLVO L90H 626381 - DIESEL ENGINE



Sample No: VCP424207
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401332



SAMPLE INFORMATION

Sample Number	VCP424207	VCP409864	---	---
Sample Date	10 Aug 2023	25 Apr 2023	---	---
Machine Hours	1596	1022	---	---
Oil Hours	0	500	---	---
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	13.1	12.8	---	---
Base Number (BN)	mg KOH/g	9.8	8.3	---	---
Oxidation (PA)	%	74	86	---	---

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 %	%	0.4	0.7	---	---
Nitration (PA)	%	59	87	---	---
Sulfation (PA)	%	58	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	18	---	---
Sodium	ppm	2	5	---	---
Potassium	ppm	<1	1	---	---



WEAR METALS

Iron	ppm	14	62	---	---
Copper	ppm	1	13	---	---
Lead	ppm	0	1	---	---
Tin	ppm	1	5	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	<1	3	---	---
Molybdenum	ppm	40	44	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1766	1712	---	---
Magnesium	ppm	554	624	---	---
Zinc	ppm	1203	1192	---	---
Phosphorus	ppm	978	940	---	---
Barium	ppm	0	0	---	---
Boron	ppm	35	17	---	---

Depot: INSWES
Unique No: 10629132
Signed: Wes Davis
Report Date: 31 Aug 2023



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GRAPHS

