



CONSTRUCTION EQUIPMENT

S50401801 VOLVO L90H 625727 - DIESEL ENGINE



Sample No: VCP435185
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401801



SAMPLE INFORMATION

Sample Number	VCP435185	VCP406303	VCP405421	VCP376545
Sample Date	11 Oct 2023	27 Apr 2023	09 Feb 2023	01 Nov 2022
Machine Hours	5543	4547	4059	3516
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	13.6	15.2	13.0	13.5
Base Number (BN)	mg KOH/g	9.9	6.2	10.3	11.9
Oxidation (PA)	%	88	90	81	87

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 %	%	0.5	0.3	0.3	0.3
Nitration (PA)	%	75	92	57	61
Sulfation (PA)	%	63	70	62	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	10	3	5
Sodium	ppm	3	4	0	2
Potassium	ppm	2	7	<1	0



WEAR METALS

Iron	ppm	12	21	6	8
Copper	ppm	<1	2	0	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	1	0	<1
Aluminum	ppm	5	4	1	2
Chromium	ppm	<1	1	0	<1
Molybdenum	ppm	39	30	41	41
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	1	0	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1658	2235	1707	1802
Magnesium	ppm	510	221	470	520
Zinc	ppm	1136	1388	1115	1128
Phosphorus	ppm	963	1061	925	963
Barium	ppm	0	0	<1	0
Boron	ppm	18	121	38	35

Depot: INSWES
Unique No: 10724529
Signed: Wes Davis
Report Date: 02 Nov 2023



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VOLVO GRAPHS

