



CONSTRUCTION EQUIPMENT

9801 VOLVO L90H 624534 - DIESEL ENGINE



Sample No: VCP426367
Oil Type: CHEVRON 15W40
Job No: 9801



SAMPLE INFORMATION

Sample Number	VCP426367	VCP423081	VCP369887	VCP377296
Sample Date	25 Oct 2023	05 Jun 2023	16 Jan 2023	12 Sep 2022
Machine Hours	7164	8586	6021	5458
Oil Hours	0	0	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - METRO DC
 14149 BRANDYWINE RD
 BRANDYWINE, MD
 US 20613
 Contact:

OIL CONDITION

Visc @ 100°C	cSt	13.8	13.8	13.3	13.4
Base Number (BN)	mg KOH/g	6.9	7.4	9.2	11.1
Oxidation (PA)	%	67	76	75	87

T:
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 %	%	0.6	0.5	0.4	0.4
Nitration (PA)	%	68	71	69	68
Sulfation (PA)	%	61	65	61	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	5	5
Sodium	ppm	<1	2	1	3
Potassium	ppm	<1	2	<1	0

WEAR METALS

Iron	ppm	7	10	8	7
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	5	7	4	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	92	94	76	43
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	1410	1516	1636	1628
Magnesium	ppm	430	522	649	542
Zinc	ppm	1319	1235	1082	1077
Phosphorus	ppm	1076	999	868	909
Barium	ppm	0	0	0	0
Boron	ppm	280	308	121	34

Depot: INSBRANDM
Unique No: 10714696
Signed: Wes Davis
Report Date: 30 Oct 2023



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GRAPHS

