



CONSTRUCTION EQUIPMENT

9596 CURTIS BAY VOLVO L90H 625024 - DIESEL ENGINE



Sample No: VCP417953
Oil Type: CHEVRON 15W40
Job No: 9596 CURTIS BAY



SAMPLE INFORMATION

Sample Number	VCP417953	VCP407335	VCP328234	VCP338439
Sample Date	15 Sep 2023	11 May 2023	03 Oct 2022	30 Nov 2021
Machine Hours	6397	5848	4818	3962
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - BALTIMORE
 3131 HAWKINS POINT RD
 BALTIMORE, MD
 US 21226
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	13.6	13.8	13.2	13.5
Base Number (BN)	mg KOH/g	7.1	6.5	8.4	8.9
Oxidation (PA)	%	65	82	77	69

T:
F:



CONTAMINATION

Soot %	%	0.6	0.9	0.7	0.5
Nitration (PA)	%	67	89	87	78
Sulfation (PA)	%	62	71	70	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	6	6
Sodium	ppm	1	1	0	1
Potassium	ppm	1	0	2	<1

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.



WEAR METALS

Iron	ppm	14	24	14	10
Copper	ppm	2	2	2	<1
Lead	ppm	<1	<1	2	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	8	7	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	105	121	123	120
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1443	1680	1551	1655
Magnesium	ppm	417	551	579	687
Zinc	ppm	1279	1035	822	880
Phosphorus	ppm	1052	813	667	795
Barium	ppm	0	0	0	0
Boron	ppm	286	190	173	219

Depot: IAABAL
Unique No: 10657354
Signed: Wes Davis
Report Date: 21 Sep 2023



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VOLVO GRAPHS

