



CONSTRUCTION EQUIPMENT

9803 VOLVO L90H 624535 - DIESEL ENGINE



Sample No: VCP423105
Oil Type: CHEVRON 15W40
Job No: 9803



SAMPLE INFORMATION

Sample Number	VCP423105	VCP407904	VCP386432	VCP336633
Sample Date	25 Oct 2023	05 Jun 2023	16 Jan 2023	06 Dec 2021
Machine Hours	6568	5937	5425	4887
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	14.1	13.3	13.0	14.1
Base Number (BN)	mg KOH/g	6.8	7.7	9.8	10.4
Oxidation (PA)	%	69	74	82	86

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 %	%	1	0.4	0.5	0.6
Nitration (PA)	%	73	67	73	73
Sulfation (PA)	%	64	63	61	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	8
Sodium	ppm	<1	2	2	3
Potassium	ppm	<1	2	<1	0

WEAR METALS

Iron	ppm	8	7	9	11
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	6	5	6	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	96	90	43	45
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	1473	1547	1864	1839
Magnesium	ppm	445	504	485	591
Zinc	ppm	1379	1245	1151	1199
Phosphorus	ppm	1139	1021	930	1022
Barium	ppm	0	0	0	0
Boron	ppm	254	341	45	30

Depot: INSBRAMD
Unique No: 10714695
Signed: Wes Davis
Report Date: 30 Oct 2023



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GRAPHS

