



CONSTRUCTION EQUIPMENT

9802 VOLVO L90H 623639 - DIESEL ENGINE



Sample No: VCP426369
Oil Type: CHEVRON 15W40
Job No: 9802



SAMPLE INFORMATION

Sample Number	VCP426369	VCP419477	VCP393641	VCP321832
Sample Date	25 Oct 2023	05 May 2023	27 Apr 2023	11 Jun 2021
Machine Hours	10557	0	10112	9418
Oil Hours	0	0	0	500
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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

OIL CONDITION

Visc @ 100°C	cSt	13.8	13.6	12.8	13.0
Base Number (BN)	mg KOH/g	7.0	7.7	8.3	---
Oxidation (PA)	%	67	63	83	80

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	0.3	0.6	0.6
Nitration (PA)	%	68	49	78	72
Sulfation (PA)	%	62	53	58	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	15	▲ 29	4
Sodium	ppm	<1	2	4	1
Potassium	ppm	<1	3	<1	0

WEAR METALS

Iron	ppm	7	15	40	8
Copper	ppm	<1	2	2	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	5	▲ 13	0
Chromium	ppm	<1	2	6	<1
Molybdenum	ppm	91	78	51	43
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1402	1605	1826	1795
Magnesium	ppm	426	514	660	508
Zinc	ppm	1313	1325	1333	1091
Phosphorus	ppm	1070	1041	1068	952
Barium	ppm	0	0	0	0
Boron	ppm	280	308	36	35

Depot: INSBRAMD
Unique No: 10714691
Signed: Wes Davis
Report Date: 30 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

