



CONSTRUCTION EQUIPMENT

9859 VOLVO L90H 623827 - DIESEL ENGINE



Sample No: VCP412683
Oil Type: CHEVRON 15W40
Job No: 9859



SAMPLE INFORMATION

Sample Number	VCP412683	VCP407900	VCP386413	VCP372027
Sample Date	08 Dec 2023	28 Jun 2023	14 Feb 2023	23 Jun 2022
Machine Hours	8096	7553	7010	6368
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - ELKTON
 183 ZEITLER RD
 ELKTON, MD
 US 21921
 Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	13.5	13.5	13.9	12.7
Base Number (BN)	mg KOH/g	7.4	7.6	6.6	10.5
Oxidation (PA)	%	72	71	74	77

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.4	0.3	0.2
Nitration (PA)	%	71	74	76	60
Sulfation (PA)	%	62	64	61	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	5	4	6
Sodium	ppm	0	0	2	2
Potassium	ppm	2	2	7	0

WEAR METALS

Iron	ppm	11	7	9	6
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	3	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	83	91	12	48
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	3	1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1497	1576	2135	1629
Magnesium	ppm	413	411	123	516
Zinc	ppm	1251	1210	1177	1097
Phosphorus	ppm	1002	1018	987	876
Barium	ppm	11	0	0	0
Boron	ppm	282	325	131	72

Depot: IAAELK
Unique No: 10782842
Signed: Wes Davis
Report Date: 14 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

