



CONSTRUCTION EQUIPMENT

9136 VOLVO L90H 623827 - DIESEL ENGINE



Sample No: VCP407900
Oil Type: CHEVRON 15W40
Job No: 9136



SAMPLE INFORMATION

Sample Number	VCP407900	VCP386413	VCP372027	VCP361944
Sample Date	28 Jun 2023	14 Feb 2023	23 Jun 2022	14 Feb 2022
Machine Hours	7553	7010	6368	5990
Oil Hours	0	0	0	500
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	13.9	12.7	12.6
Base Number (BN)	mg KOH/g	7.6	6.6	10.5	11.2
Oxidation (PA)	%	71	74	77	82

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 %	%	0.4	0.3	0.2	0.3
Nitration (PA)	%	74	76	60	64
Sulfation (PA)	%	64	61	59	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	6	7
Sodium	ppm	0	2	2	3
Potassium	ppm	2	7	0	<1

WEAR METALS

Iron	ppm	7	9	6	9
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	2	2	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	91	12	48	48
Nickel	ppm	<1	0	<1	0
Titanium	ppm	1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1576	2135	1629	1849
Magnesium	ppm	411	123	516	561
Zinc	ppm	1210	1177	1097	1267
Phosphorus	ppm	1018	987	876	1011
Barium	ppm	0	0	0	0
Boron	ppm	325	131	72	61

Depot: IAAELK
Unique No: 10552472
Signed: Wes Davis
Report Date: 13 Jul 2023



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VOLVO GRAPHS

