



# CONSTRUCTION EQUIPMENT

A10935 VOLVO A40G 342450 - DIESEL ENGINE



**Sample No:** VCP421862  
**Oil Type:** MOBIL 15W40  
**Job No:** A10935



## SAMPLE INFORMATION

Sample Number	VCP421862	VCP339203	VCP305908	VCP294043
Sample Date	24 Aug 2023	06 Jan 2022	06 Aug 2021	08 Jan 2021
Machine Hours	5915	4620	4110	3925
Oil Hours	500	500	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

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## OIL CONDITION

Visc @ 100°C	cSt	12.5	12.3	12.3	13.2
Base Number (BN)	mg KOH/g	10.2	11.3	---	---
Oxidation (PA)	%	76	83	73	66

## 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	%	---	---	---	0.125
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	53	62	48	49
Sulfation (PA)	%	59	65	60	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.4	<1.0
Silicon	ppm	6	7	6	5
Sodium	ppm	6	2	2	3
Potassium	ppm	0	<1	0	2

## WEAR METALS

Iron	ppm	11	13	15	6
Copper	ppm	7	6	17	4
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	4	3	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	44	43	56	121
Nickel	ppm	2	8	5	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

## ADDITIVES

Calcium	ppm	1806	1682	1765	1555
Magnesium	ppm	542	504	534	627
Zinc	ppm	1152	1026	1116	836
Phosphorus	ppm	1000	924	968	773
Barium	ppm	0	0	0	0
Boron	ppm	76	62	119	367

**Depot:** KCCIVY  
**Unique No:** 10648363  
**Signed:** Wes Davis  
**Report Date:** 18 Sep 2023



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## GRAPHS

