



# CONSTRUCTION EQUIPMENT

SPM580102 VOLVO A25G 740362 - DIESEL ENGINE



**Sample No:** VCP417700  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SPM580102



## SAMPLE INFORMATION

Sample Number	VCP417700	VCP406589	VCP381501	VCP355590
Sample Date	12 Jul 2023	07 Apr 2023	31 Oct 2022	09 Mar 2022
Machine Hours	8779	8323	7895	7088
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	MARGINAL	ABNORMAL	ABNORMAL

**WLW CONSTRUCTION**  
 PO BOX 377  
 MT DORA, FL  
 US 32756-0377  
 Contact: ELAINE STULTZ  
 elaine@wlwconstruction.com  
 T: (352)383-7305  
 F:

## OIL CONDITION

Visc @ 100°C	cSt	11.8	11.9	11.1	11.2
Base Number (BN)	mg KOH/g	8.5	8.5	10	9.6
Oxidation (PA)	%	84	90	96	96

## 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 %	%	0.3	0.3	0.3	0.2
Nitration (PA)	%	72	71	73	72
Sulfation (PA)	%	61	64	68	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	3.6	5.1	8.4
Silicon	ppm	10	8	6	6
Sodium	ppm	3	2	3	<1
Potassium	ppm	0	2	0	1

## WEAR METALS

Iron	ppm	23	11	9	9
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	2	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	40	38	38
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

## ADDITIVES

Calcium	ppm	1753	1539	1565	1594
Magnesium	ppm	466	434	448	477
Zinc	ppm	1082	1016	972	1068
Phosphorus	ppm	915	854	825	908
Barium	ppm	0	0	3	0
Boron	ppm	35	38	32	37

**Depot:** WLWMOU  
**Unique No:** 10563385  
**Signed:** Wes Davis  
**Report Date:** 20 Jul 2023



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## VOLVO GRAPHS

