



# CONSTRUCTION EQUIPMENT

717084 MOSAIC VOLVO L260H 1296 - DIESEL ENGINE



**Sample No:** VCP454868  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 717084 MOSAIC



## SAMPLE INFORMATION

Sample Number	VCP454868	VCP437897	VCP440765	VCP414201
Sample Date	30 May 2024	06 Mar 2024	29 Nov 2023	22 Aug 2023
Machine Hours	4826	4211	3650	2943
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	MARGINAL	MARGINAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	▲ 12.3	■ 12.6	■ 12.6
Base Number (BN)	mg KOH/g	■ 8.8	■ 8.8	■ 9.4	■ 9.1
Oxidation (PA)	%	72	78	82	85



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	■ 0.2	■ 0.1	■ 0.1	■ 0.2
Nitration (PA)	%	68	63	68	71
Sulfation (PA)	%	56	57	59	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	■ 13	■ 8	■ 7	■ 8
Sodium	ppm	■ 1	■ <1	■ 2	■ 2
Potassium	ppm	■ <1	■ 3	■ <1	■ <1



## WEAR METALS

Iron	ppm	■ 9	■ 11	■ 10	■ 9
Copper	ppm	■ 2	■ 2	■ 2	■ 2
Lead	ppm	■ 0	■ 1	■ <1	■ <1
Tin	ppm	■ 0	■ 1	■ <1	■ 1
Aluminum	ppm	■ 6	■ 3	■ 2	■ 5
Chromium	ppm	■ 0	■ <1	■ <1	■ 0
Molybdenum	ppm	■ 37	■ 43	■ 40	■ 43
Nickel	ppm	■ 0	■ 1	■ <1	■ 0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	■ 0	■ <1	■ 0	■ 0
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	0	<1	<1	0



## ADDITIVES

Calcium	ppm	■ 1491	■ 1512	■ 1701	■ 1718
Magnesium	ppm	■ 520	■ 516	■ 479	■ 516
Zinc	ppm	■ 983	■ 1069	■ 1092	■ 1154
Phosphorus	ppm	■ 868	■ 915	■ 940	■ 940
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 21	■ 33	■ 28	■ 22

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 11087188  
**Signed:** Don Baldrige  
**Report Date:** 21 Jun 2024



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## VOLVO GRAPHS

