



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - DIESEL ENGINE



Sample No: VCP434826
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP434826	VCP412170	VCP419457	VCP343859
Sample Date	08 Nov 2023	28 Aug 2023	19 Jun 2023	25 Oct 2021
Machine Hours	5775	5525	5278	3871
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.0	11.7	11.9	12.4
Base Number (BN)	mg KOH/g	9.8	9.2	9.7	---
Oxidation (PA)	%	80	77	76	80

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. Confirm oil type. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.1	0.2	0.2	0.2
Nitration (PA)	%	58	71	62	68
Sulfation (PA)	%	60	59	59	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	3	3
Sodium	ppm	<1	3	2	2
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	2	7	5	5
Copper	ppm	0	1	2	<1
Lead	ppm	0	0	1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	1	0	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	47	48	46	37
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1594	1740	1692	1517
Magnesium	ppm	525	618	592	451
Zinc	ppm	1103	1158	1088	1014
Phosphorus	ppm	922	951	914	802
Barium	ppm	0	0	4	0
Boron	ppm	45	34	46	31

Depot: VOLVO0090
Unique No: 10740608
Signed: Sean Felton
Report Date: 16 Nov 2023



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GRAPHS

