



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - DIESEL ENGINE



Sample No: VCP412170
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP412170	VCP419457	VCP343859	VCP291324
Sample Date	28 Aug 2023	19 Jun 2023	25 Oct 2021	20 Oct 2020
Machine Hours	5525	5278	3871	3413
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	11.7	11.9	12.4	12.1
Base Number (BN)	mg KOH/g	9.2	9.7	---	---
Oxidation (PA)	%	77	76	80	67

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 %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	71	62	68	77
Sulfation (PA)	%	59	59	62	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	3	3
Sodium	ppm	3	2	2	2
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	7	5	5	6
Copper	ppm	1	2	<1	2
Lead	ppm	0	1	1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	0	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	48	46	37	22
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	1740	1692	1517	1423
Magnesium	ppm	618	592	451	674
Zinc	ppm	1158	1088	1014	877
Phosphorus	ppm	951	914	802	763
Barium	ppm	0	4	0	0
Boron	ppm	34	46	31	39

Depot: VOLVO0090
Unique No: 10632424
Signed: Wes Davis
Report Date: 05 Sep 2023



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GRAPHS

