



CONSTRUCTION EQUIPMENT

703164 APTIM VOLVO A30G 740023 - DIESEL ENGINE



Sample No: VCP449549
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 703164 APTIM



SAMPLE INFORMATION

Sample Number	VCP449549	VCP428806	VCP417020	VCP410228
Sample Date	29 Apr 2024	02 Jan 2024	21 Aug 2023	09 May 2023
Machine Hours	9236	8900	8379	7927
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 100°C	cSt	12.9	12.9	12.5	12.3
Base Number (BN)	mg KOH/g	8.2	9.1	9.4	9.1
Oxidation (PA)	%	60	75	77	77

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	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.6	0.6	0.5
Nitration (PA)	%	62	58	60	63
Sulfation (PA)	%	54	61	60	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	3	4	5
Sodium	ppm	2	0	1	2
Potassium	ppm	2	2	0	3



WEAR METALS

Iron	ppm	8	7	7	9
Copper	ppm	<1	<1	<1	0
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	1	<1
Aluminum	ppm	3	1	3	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	45	42	44	42
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1551	1572	1697	1725
Magnesium	ppm	552	496	543	496
Zinc	ppm	1106	1041	1156	1184
Phosphorus	ppm	1007	967	950	960
Barium	ppm	0	10	0	0
Boron	ppm	38	30	29	39

Depot: VOLVO0093
Unique No: 11036741
Signed: Wes Davis
Report Date: 22 May 2024



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VOLVO GRAPHS

