



CONSTRUCTION EQUIPMENT

W09002548-1 VOLVO A25G 742344 - DIESEL ENGINE



Sample No: VCP369935
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: W09002548-1



SAMPLE INFORMATION

Sample Number	VCP369935	VCP320915	VCP295379	VCP292294
Sample Date	12 Sep 2023	12 Jul 2021	12 Feb 2021	23 Oct 2020
Machine Hours	4470	2066	1519	1028
Oil Hours	579	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 100°C	cSt	12.5	11.4	11.6	11.1
Base Number (BN)	mg KOH/g	9.7	---	---	---
Oxidation (PA)	%	74	75	73	77



CONTAMINATION

Soot %	%	0.3	0.2	0.2	0.2
Nitration (PA)	%	67	64	66	60
Sulfation (PA)	%	58	62	60	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	2.7
Silicon	ppm	5	4	6	12
Sodium	ppm	2	2	1	3
Potassium	ppm	<1	0	0	7



WEAR METALS

Iron	ppm	8	8	9	12
Copper	ppm	2	5	7	37
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	1	1	0
Aluminum	ppm	<1	<1	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	43	40	36	37
Nickel	ppm	<1	0	0	<1
Titanium	ppm	5	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1670	1652	1615	1902
Magnesium	ppm	523	490	449	482
Zinc	ppm	1150	1048	1020	1124
Phosphorus	ppm	957	893	903	1001
Barium	ppm	0	0	0	0
Boron	ppm	56	57	45	39

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.

Depot: VOLVO8881
Unique No: 10657346
Signed: Wes Davis
Report Date: 21 Sep 2023



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VOLVO GRAPHS

