



CONSTRUCTION EQUIPMENT

25525 VOLVO A25G 752017 - DIESEL ENGINE



Sample No: VCP408293
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25525



SAMPLE INFORMATION

Sample Number	VCP408293	VCP364898	VCP306681	VCP278698
Sample Date	21 May 2024	05 Aug 2022	28 Jan 2021	24 Jul 2020
Machine Hours	4245	2580	1249	496
Oil Hours	0	2000	500	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ABNORMAL

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 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
 US 29418
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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.4	12.3	11.5
Base Number (BN)	mg KOH/g	8.7	10.6	---	---
Oxidation (PA)	%	75	87	79	69

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.3	0.3	0.4
Nitration (PA)	%	70	74	68	66
Sulfation (PA)	%	58	66	63	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.4	<1.0
Silicon	ppm	7	5	8	39
Sodium	ppm	3	<1	3	3
Potassium	ppm	3	1	14	5

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.

WEAR METALS

Iron	ppm	19	10	13	31
Copper	ppm	12	3	104	676
Lead	ppm	1	<1	0	<1
Tin	ppm	1	1	<1	3
Aluminum	ppm	6	4	2	0
Chromium	ppm	1	<1	<1	1
Molybdenum	ppm	46	43	39	58
Nickel	ppm	3	<1	3	1
Titanium	ppm	<1	<1	1	1
Silver	ppm	1	<1	<1	2
Manganese	ppm	1	<1	1	5
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1599	1550	1778	1060
Magnesium	ppm	460	452	510	914
Zinc	ppm	1110	1058	1058	1166
Phosphorus	ppm	937	903	929	970
Barium	ppm	0	0	0	1
Boron	ppm	20	37	23	2

Depot: VOLVO3387
Unique No: 11050433
Signed: Wes Davis
Report Date: 30 May 2024



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VOLVO GRAPHS

