



CONSTRUCTION EQUIPMENT

VOLVO A25G 752317 - DIESEL ENGINE



Sample No: VCP452486
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP452486	VCP399014	VC410455	VC381610
Sample Date	08 Apr 2024	25 Mar 2024	22 Jun 2022	10 Mar 2022
Machine Hours	4883	4878	2216	865
Oil Hours	0	1000	800	865
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

SCOTT EQUIPMENT COMPANY LLC - Lavergne
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 LAVERGNE, TN
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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.8	12.9	10.9
Base Number (BN)	mg KOH/g	11.1	9.1	9.2	5.2
Oxidation (PA)	%	78	85	95	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. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.5	0.8	0.5
Nitration (PA)	%	46	83	91	96
Sulfation (PA)	%	60	62	71	68
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	<1.0	0.2
Silicon	ppm	7	8	6	35
Sodium	ppm	<1	3	2	4
Potassium	ppm	<1	3	0	2



WEAR METALS

Iron	ppm	5	16	16	43
Copper	ppm	5	20	18	181
Lead	ppm	<1	0	2	4
Tin	ppm	0	1	1	5
Aluminum	ppm	2	7	2	2
Chromium	ppm	0	<1	1	2
Molybdenum	ppm	39	37	38	76
Nickel	ppm	<1	4	2	2
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	1	<1	5
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1772	1667	1757	2261
Magnesium	ppm	509	463	455	25
Zinc	ppm	1172	1105	1116	1137
Phosphorus	ppm	951	932	905	935
Barium	ppm	0	0	0	0
Boron	ppm	61	25	19	16

Depot: VOLV00129
Unique No: 10968742
Signed: Wes Davis
Report Date: 11 Apr 2024



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GRAPHS

