



CONSTRUCTION EQUIPMENT

VOLVO A25G 752316 - DIESEL ENGINE



Sample No: VCP430395
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP430395	VCP399193	VCE118639	VCE118635
Sample Date	05 Apr 2024	14 Dec 2023	03 Mar 2023	21 Oct 2022
Machine Hours	5264	5260	3466	2918
Oil Hours	0	1069	0	2918
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SCOTT EQUIPMENT COMPANY LLC - Lavergne
 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
 US 37086
 Contact: CLAY COULTER
 CCOULTER@SCOTTCOMPANIES.COM
 T: (615)793-3888
 F: (615)793-9655



OIL CONDITION

Visc @ 100°C	cSt	12.9	12.8	12.9	13.0
Base Number (BN)	mg KOH/g	9.9	8.3	9.1	10.8
Oxidation (PA)	%	76	85	84	89

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	0.7	0.6	0.6
Nitration (PA)	%	48	93	76	76
Sulfation (PA)	%	60	63	64	69
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	6	6	5
Sodium	ppm	3	1	3	5
Potassium	ppm	3	2	<1	2



WEAR METALS

Iron	ppm	6	20	19	13
Copper	ppm	9	3	4	7
Lead	ppm	<1	<1	<1	2
Tin	ppm	1	<1	<1	1
Aluminum	ppm	4	7	4	2
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	36	39	42	42
Nickel	ppm	1	1	1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1569	1550	1727	1815
Magnesium	ppm	472	520	509	478
Zinc	ppm	1093	1119	1180	1162
Phosphorus	ppm	948	971	922	954
Barium	ppm	<1	10	0	0
Boron	ppm	63	12	20	28

Depot: VOLV00129
Unique No: 10967649
Signed: Wes Davis
Report Date: 10 Apr 2024



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VOLVO GRAPHS

