



CONSTRUCTION EQUIPMENT

VOLVO A25G 752029 - DIESEL ENGINE



Sample No: VCP0007762

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007762	VCP0006169	VCP317159	VCP304124
Sample Date	22 Jan 2024	07 Dec 2022	27 Aug 2021	20 Apr 2021
Machine Hours	4074	2283	2283	1567
Oil Hours	4074	2283	500	1567
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 100°C	cSt	12.4	13.1	12.3	12.3
Base Number (BN)	mg KOH/g	9.8	11.0	---	---
Oxidation (PA)	%	80	87	82	81



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.6	0.4	0.4
Nitration (PA)	%	59	71	67	68
Sulfation (PA)	%	60	68	64	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	0.3	<1.0	<1.0	<1.0
Silicon	ppm	3	5	3	3
Sodium	ppm	0	1	2	1
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	5	10	9	12
Copper	ppm	<1	1	6	39
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	5	3	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	37	45	40	48
Nickel	ppm	2	0	<1	2
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	<1	3
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1569	1687	1625	1747
Magnesium	ppm	456	489	500	531
Zinc	ppm	1056	1106	1082	1170
Phosphorus	ppm	915	906	891	1008
Barium	ppm	<1	0	0	0
Boron	ppm	43	32	33	43

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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: VOLVO0092
Unique No: 10846882
Signed: Wes Davis
Report Date: 29 Jan 2024



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GRAPHS

