



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO A25G 740257 - DIESEL ENGINE



Sample No: VCP444872
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: TUCKER PAVING



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SAMPLE INFORMATION

Sample Number	VCP444872	VCP440032	VCP424467	VCP386133
Sample Date	26 Apr 2024	08 Jan 2024	24 May 2023	30 Nov 2022
Machine Hours	9675	9175	8655	8249
Oil Hours	0	500	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 100°C	cSt	12.2	12.1	12.0	12.1
Base Number (BN)	mg KOH/g	9.2	8.7	9.4	10.2
Oxidation (PA)	%	75	80	84	83



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	64	68	63	73
Sulfation (PA)	%	57	59	63	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	4	4
Sodium	ppm	4	2	0	0
Potassium	ppm	0	0	<1	1



WEAR METALS

Iron	ppm	5	5	4	6
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	46	45	77	43
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1600	1678	1575	1613
Magnesium	ppm	582	533	482	466
Zinc	ppm	1096	1157	1073	1042
Phosphorus	ppm	955	959	890	891
Barium	ppm	0	0	2	0
Boron	ppm	14	26	46	21

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 11029632
Signed: Sean Felton
Report Date: 16 May 2024



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VOLVO GRAPHS

