



CONSTRUCTION EQUIPMENT

728851 STONE CO VOLVO EC350E 314488 - DIESEL ENGINE



Sample No: VCP452667
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 728851 STONE CO



SAMPLE INFORMATION

Sample Number	VCP452667	VCP447060	VCP435961	VCP412460
Sample Date	11 Jun 2024	01 Apr 2024	10 Nov 2023	28 Aug 2023
Machine Hours	2485	1972	1486	1004
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
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T:
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OIL CONDITION

Visc @ 100°C	cSt	11.7	11.7	11.5	11.7
Base Number (BN)	mg KOH/g	8.0	7.9	7.3	6.1
Oxidation (PA)	%	60	63	61	61



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	65	72	65	66
Sulfation (PA)	%	52	53	55	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	8
Sodium	ppm	3	2	1	3
Potassium	ppm	4	0	<1	<1



WEAR METALS

Iron	ppm	2	6	2	7
Copper	ppm	8	14	43	207
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	59	52	57	65
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1093	1118	980	1209
Magnesium	ppm	999	936	903	915
Zinc	ppm	1346	1132	1207	1288
Phosphorus	ppm	1140	1026	976	1018
Barium	ppm	0	0	0	0
Boron	ppm	2	0	1	4

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: VOLVO2990
Unique No: 11088271
Signed: Don Baldrige
Report Date: 21 Jun 2024



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GRAPHS

