



CONSTRUCTION EQUIPMENT

SPM717251 ALPINE VOLVO EC750EHR 391010 - DIESEL ENGINE



Sample No: VCP437360
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM717251 ALPINE



SAMPLE INFORMATION

Sample Number	VCP437360	VCP423231	VCP390538	VCP350499
Sample Date	28 May 2024	28 Jul 2023	16 Nov 2022	17 Dec 2021
Machine Hours	2944	1761	1246	1015
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.5	13.2	13.0
Base Number (BN)	mg KOH/g	9.2	8.0	10.2	8.8
Oxidation (PA)	%	54	64	64	86

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 %	%	0.2	0.4	0.3	0.3
Nitration (PA)	%	50	65	63	68
Sulfation (PA)	%	50	55	57	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	7	5	14
Sodium	ppm	1	2	4	<1
Potassium	ppm	5	3	2	2



WEAR METALS

Iron	ppm	6	16	14	18
Copper	ppm	2	9	27	126
Lead	ppm	<1	2	1	7
Tin	ppm	<1	2	<1	1
Aluminum	ppm	2	3	2	2
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	56	62	55	39
Nickel	ppm	2	4	7	5
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	971	1148	1235	1742
Magnesium	ppm	943	964	936	480
Zinc	ppm	1225	1311	1315	939
Phosphorus	ppm	1065	1059	1022	849
Barium	ppm	0	0	0	2
Boron	ppm	0	1	11	33

Depot: VOLVO8885
Unique No: 11059521
Signed: Wes Davis
Report Date: 04 Jun 2024



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GRAPHS

