



CONSTRUCTION EQUIPMENT

136477 VOLVO EC750E 314194 - DIESEL ENGINE



Sample No: VCP447662

Oil Type: {unknown}

Job No: 136477



SAMPLE INFORMATION

Sample Number	VCP447662	VCP443076	VCP434675	VCP430307
Sample Date	04 Jun 2024	19 Mar 2024	29 Dec 2023	02 Oct 2023
Machine Hours	3975	3477	2941	2442
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.5	12.2	12.3
Base Number (BN)	mg KOH/g	3.9	6.5	4.3	6.6
Oxidation (PA)	%	106	84	109	89



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.9	0.5	0.9	0.4
Nitration (PA)	%	93	77	99	78
Sulfation (PA)	%	73	65	78	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	11	8	50	6
Sodium	ppm	<1	1	0	3
Potassium	ppm	3	0	7	1



WEAR METALS

Iron	ppm	30	12	61	11
Copper	ppm	13	9	23	13
Lead	ppm	2	<1	5	0
Tin	ppm	2	0	4	<1
Aluminum	ppm	4	3	21	3
Chromium	ppm	1	0	2	<1
Molybdenum	ppm	101	90	118	124
Nickel	ppm	2	<1	4	0
Titanium	ppm	1	<1	1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	3	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1462	1514	1471	1539
Magnesium	ppm	719	705	655	696
Zinc	ppm	945	900	838	850
Phosphorus	ppm	790	769	627	683
Barium	ppm	1	0	0	0
Boron	ppm	66	120	38	166

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.

Depot: LATSCU
 Unique No: 11071573
 Signed: Sean Felton
 Report Date: 12 Jun 2024



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GRAPHS

