



CONSTRUCTION EQUIPMENT

135866 VOLVO EC750E 314194 - DIESEL ENGINE



Sample No: VCP443076
Oil Type: {unknown}
Job No: 135866



SAMPLE INFORMATION

Sample Number	VCP443076	VCP434675	VCP430307	VCP423802
Sample Date	19 Mar 2024	29 Dec 2023	02 Oct 2023	07 Aug 2023
Machine Hours	3477	2941	2442	1964
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.2	12.3	11.8
Base Number (BN)	mg KOH/g	6.5	4.3	6.6	4.1
Oxidation (PA)	%	84	109	89	108

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 %	%	0.5	0.9	0.4	0.9
Nitration (PA)	%	77	99	78	94
Sulfation (PA)	%	65	78	70	75
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	50	6	11
Sodium	ppm	1	0	3	0
Potassium	ppm	0	7	1	5



WEAR METALS

Iron	ppm	12	61	11	43
Copper	ppm	9	23	13	37
Lead	ppm	<1	5	0	3
Tin	ppm	0	4	<1	2
Aluminum	ppm	3	21	3	4
Chromium	ppm	0	2	<1	<1
Molybdenum	ppm	90	118	124	137
Nickel	ppm	<1	4	0	2
Titanium	ppm	<1	1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	3	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1514	1471	1539	1636
Magnesium	ppm	705	655	696	628
Zinc	ppm	900	838	850	843
Phosphorus	ppm	769	627	683	655
Barium	ppm	0	0	0	2
Boron	ppm	120	38	166	40

Depot: LATSCU
Unique No: 10941519
Signed: Wes Davis
Report Date: 26 Mar 2024



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GRAPHS

