



CONSTRUCTION EQUIPMENT

135630 VOLVO EC750E 314191 - DIESEL ENGINE



Sample No: VCP443219

Oil Type: {unknown}

Job No: 135630



SAMPLE INFORMATION

Sample Number	VCP443219	VCP434236	VCP430195	VCP416018
Sample Date	20 Feb 2024	08 Dec 2023	29 Sep 2023	08 Aug 2023
Machine Hours	3520	3036	2487	2037
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.8	12.6	12.4
Base Number (BN)	mg KOH/g	7.6	4.6	7.3	5.2
Oxidation (PA)	%	67	104	81	95



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.6	1.2	0.6	1.1
Nitration (PA)	%	64	93	74	92
Sulfation (PA)	%	59	74	69	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	12	7	12
Sodium	ppm	3	0	3	0
Potassium	ppm	16	3	<1	5



WEAR METALS

Iron	ppm	14	54	13	55
Copper	ppm	13	20	16	43
Lead	ppm	<1	3	0	4
Tin	ppm	1	2	<1	3
Aluminum	ppm	7	4	3	4
Chromium	ppm	1	1	0	<1
Molybdenum	ppm	73	131	126	136
Nickel	ppm	2	4	<1	2
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	2	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1220	1530	1568	1678
Magnesium	ppm	703	650	713	651
Zinc	ppm	959	807	859	872
Phosphorus	ppm	772	610	695	683
Barium	ppm	34	11	0	2
Boron	ppm	80	66	193	44

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.

Depot: LATSCU
Unique No: 10898154
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

