



CONSTRUCTION EQUIPMENT

135094 VOLVO EC750E 314191 - DIESEL ENGINE



Sample No: VCP434236
Oil Type: NOT GIVEN
Job No: 135094



SAMPLE INFORMATION

Sample Number	VCP434236	VCP430195	VCP416018	VCP419099
Sample Date	08 Dec 2023	29 Sep 2023	08 Aug 2023	20 Jun 2023
Machine Hours	3036	2487	2037	1596
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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

Visc @ 100°C	cSt	12.8	12.6	12.4	12.5
Base Number (BN)	mg KOH/g	4.6	7.3	5.2	6.5
Oxidation (PA)	%	104	81	95	84

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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	1.2	0.6	1.1	0.7
Nitration (PA)	%	93	74	92	78
Sulfation (PA)	%	74	69	70	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	12	7	12	10
Sodium	ppm	0	3	0	4
Potassium	ppm	3	<1	5	3



WEAR METALS

Iron	ppm	54	13	55	20
Copper	ppm	20	16	43	34
Lead	ppm	3	0	4	2
Tin	ppm	2	<1	3	3
Aluminum	ppm	4	3	4	3
Chromium	ppm	1	0	<1	<1
Molybdenum	ppm	131	126	136	129
Nickel	ppm	4	<1	2	1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1530	1568	1678	1659
Magnesium	ppm	650	713	651	712
Zinc	ppm	807	859	872	894
Phosphorus	ppm	610	695	683	701
Barium	ppm	11	0	2	0
Boron	ppm	66	193	44	151

Depot: LATSCU
Unique No: 10782835
Signed: Don Baldrige
Report Date: 15 Dec 2023



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GRAPHS

