



CONSTRUCTION EQUIPMENT

134055 VOLVO A45G 352245 - DIESEL ENGINE



Sample No: VCP418730

Oil Type: NOT GIVEN

Job No: 134055



SAMPLE INFORMATION

Sample Number	VCP418730	VCP423858	VCP392578	VCP392637
Sample Date	11 Aug 2023	19 Jun 2023	03 Mar 2023	27 Dec 2022
Machine Hours	9987	0	8955	8513
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.5	12.9	13.3
Base Number (BN)	mg KOH/g	7.8	8.2	9.0	8.8
Oxidation (PA)	%	66	79	71	74



CONTAMINATION

Soot %	%	0.4	0.5	0.6	0.8
Nitration (PA)	%	70	73	73	88
Sulfation (PA)	%	62	68	68	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	7	7
Sodium	ppm	<1	1	2	2
Potassium	ppm	1	<1	0	0



WEAR METALS

Iron	ppm	7	8	10	13
Copper	ppm	<1	<1	<1	<1
Lead	ppm	2	1	<1	3
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	4	4	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	131	127	126	124
Nickel	ppm	<1	<1	<1	2
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	1573	1666	1561	1595
Magnesium	ppm	658	744	664	662
Zinc	ppm	864	975	831	818
Phosphorus	ppm	724	782	667	675
Barium	ppm	0	0	0	0
Boron	ppm	276	250	274	200

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: 10617199
Signed: Wes Davis
Report Date: 24 Aug 2023



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GRAPHS

