



CONSTRUCTION EQUIPMENT

134054 VOLVO A45G 352200 - DIESEL ENGINE



Sample No: VCP423769

Oil Type: NOT GIVEN

Job No: 134054



SAMPLE INFORMATION

Sample Number	VCP423769	VCP424723	VCP419757	VCP382540
Sample Date	11 Aug 2023	16 Jun 2023	14 Apr 2023	15 Feb 2023
Machine Hours	10466	9998	9469	9006
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	MARGINAL



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

Visc @ 100°C	cSt	12.8	12.6	12.6	▲ 12.4
Base Number (BN)	mg KOH/g	7.8	7.9	7.4	7.9
Oxidation (PA)	%	65	75	66	72



CONTAMINATION

Soot %	%	0.2	0.3	0.3	0.3
Nitration (PA)	%	55	63	58	68
Sulfation (PA)	%	62	66	60	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	1.8
Silicon	ppm	5	6	5	6
Sodium	ppm	0	1	1	0
Potassium	ppm	2	<1	0	2



WEAR METALS

Iron	ppm	4	4	4	6
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	3	3	3	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	128	126	120	137
Nickel	ppm	<1	<1	2	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1563	1602	1432	1523
Magnesium	ppm	644	721	660	641
Zinc	ppm	850	910	798	843
Phosphorus	ppm	709	735	705	694
Barium	ppm	0	0	0	<1
Boron	ppm	342	284	299	324

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: 10617204
Signed: Wes Davis
Report Date: 24 Aug 2023



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GRAPHS

