



CONSTRUCTION EQUIPMENT

S1601 AGROMIN SAC VOLVO L110H 632181 - DIESEL ENGINE



Sample No: VCP442959
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S1601 AGROMIN SAC



SAMPLE INFORMATION

Sample Number	VCP442959	VCP422663	VCP426739	VCP375436
Sample Date	25 Jan 2024	22 Sep 2023	30 May 2023	05 Oct 2022
Machine Hours	6528	5130	4095	2597
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

VCES- VOLVO CONSTRUCTION EQUIPMENT
 8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826
 Contact: RAY KRANZUSCH
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 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	14.0	13.7	13.9	13.9
Base Number (BN)	mg KOH/g	8.6	8.6	9.3	11.6
Oxidation (PA)	%	100	98	84	96



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.7	0.7	0.6	0.5
Nitration (PA)	%	92	88	81	76
Sulfation (PA)	%	67	66	66	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	12	9	8	9
Sodium	ppm	0	3	1	2
Potassium	ppm	1	0	1	<1



WEAR METALS

Iron	ppm	26	19	15	17
Copper	ppm	3	2	2	6
Lead	ppm	4	3	2	1
Tin	ppm	2	1	1	2
Aluminum	ppm	8	5	6	7
Chromium	ppm	2	1	<1	1
Molybdenum	ppm	49	48	71	41
Nickel	ppm	1	<1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1880	1759	1601	1840
Magnesium	ppm	593	563	548	539
Zinc	ppm	1301	1167	1051	1396
Phosphorus	ppm	1017	938	867	1150
Barium	ppm	0	0	2	0
Boron	ppm	27	30	95	29

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 suitable for further service.

Depot: VOLVO4485
Unique No: 10872645
Signed: Wes Davis
Report Date: 12 Feb 2024



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GRAPHS

