



CONSTRUCTION EQUIPMENT

SWO-068628 VOLVO A45G 353092 - DROP BOX



Sample No: VCP443366
Oil Type: {unknown}
Job No: SWO-068628



SAMPLE INFORMATION

Sample Number	VCP443366	VCP431089	VCP407514	VCP395496
Sample Date	03 Jan 2024	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	2545	2012	1497	1000
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	46.4	45.5	46.2	46.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 55	▲ 60	▲ 51	47
Sodium	ppm	■ <1	8	9	10
Potassium	ppm	■ 4	3	1	2



WEAR METALS

Iron	ppm	■ 381	340	189	102
Copper	ppm	■ 21	20	11	8
Lead	ppm	■ <1	0	0	<1
Tin	ppm	■ 0	0	0	0
Aluminum	ppm	■ 2	1	0	<1
Chromium	ppm	■ 2	2	2	1
Molybdenum	ppm	8	7	7	5
Nickel	ppm	■ 2	2	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	8	8	4	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	26	30	48	56
Magnesium	ppm	3	3	2	3
Zinc	ppm	108	138	102	96
Phosphorus	ppm	1997	2511	2374	2292
Barium	ppm	8	0	0	0
Boron	ppm	130	150	127	153

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10820291
Signed: Jonathan Hester
Report Date: 10 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

