



CONSTRUCTION EQUIPMENT

W07013956-1 STANLEY VOLVO A45G 342044 - FRONT AXLE



Sample No: VCP447968
Oil Type: GEAR OIL SAE 75W80
Job No: W07013956-1 STANLEY



SAMPLE INFORMATION

Sample Number	VCP447968	VCP372930	VCP401319	VCP276820
Sample Date	11 Jan 2024	29 Sep 2023	02 Feb 2023	10 Jul 2020
Machine Hours	10159	9656	8248	4237
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
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GLEN ALLEN, VA
US 23060
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OIL CONDITION

Visc @ 40°C	cSt	48.7	49.2	47.6	51.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	3	2
Sodium	ppm	0	1	1	2
Potassium	ppm	<1	<1	<1	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	188	195	252	185
Copper	ppm	2	<1	1	1
Lead	ppm	0	0	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	1	2	4	2
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	<1	2	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	4	3
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	49	15	16	21
Magnesium	ppm	2	2	<1	<1
Zinc	ppm	0	10	9	14
Phosphorus	ppm	2469	2516	2375	2273
Barium	ppm	4	0	0	0
Boron	ppm	274	275	290	226

Depot: VOLVO8882
Unique No: 10834503
Signed: Sean Felton
Report Date: 19 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

