



CONSTRUCTION EQUIPMENT

W07013557 STANLEY VOLVO A45G 342044 - FRONT AXLE



Sample No: VCP372930
Oil Type: GEAR OIL SAE 75W80
Job No: W07013557 STANLEY



SAMPLE INFORMATION

Sample Number	VCP372930	VCP401319	VCP276820	VCP202232
Sample Date	29 Sep 2023	02 Feb 2023	10 Jul 2020	01 Aug 2018
Machine Hours	9656	8248	4237	980
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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GLEN ALLEN, VA
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OIL CONDITION

Visc @ 40°C	cSt	49.2	47.6	51.6	52.4
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CONTAMINATION

Silicon	ppm	5	3	2	4
Sodium	ppm	1	1	2	10
Potassium	ppm	<1	<1	0	4

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	195	252	185	548
Copper	ppm	<1	1	1	2
Lead	ppm	0	0	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	2	4	2	8
Molybdenum	ppm	<1	<1	0	1
Nickel	ppm	<1	2	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	4	3	15
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	15	16	21	6
Magnesium	ppm	2	<1	<1	0
Zinc	ppm	10	9	14	0
Phosphorus	ppm	2516	2375	2273	2380
Barium	ppm	0	0	0	0
Boron	ppm	275	290	226	258

Depot: VOLVO8882
Unique No: 10682944
Signed: Don Baldrige
Report Date: 10 Oct 2023



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GRAPHS

