



# CONSTRUCTION EQUIPMENT

W070121019-1 STANLEY VOLVO A45G 342044 - REAR AXLE



**Sample No:** VCP401303  
**Oil Type:** GEAR OIL SAE 75W80  
**Job No:** W070121019-1 STANLEY



**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
1345 MOUNTAIN ROAD  
GLEN ALLEN, VA  
US 23060  
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## SAMPLE INFORMATION

Sample Number	<b>VCP401303</b>	VCP276069	VCP202230	---
Sample Date	<b>02 Feb 2023</b>	10 Jul 2020	01 Aug 2018	---
Machine Hours	<b>8248</b>	4237	980	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>49.5</b>	52.6	53.00	---
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## CONTAMINATION

Silicon	ppm	<b>11</b>	6	4	---
Sodium	ppm	<b>3</b>	3	10	---
Potassium	ppm	<b>3</b>	0	2	---



## WEAR METALS

Iron	ppm	<b>379</b>	115	373	---
Copper	ppm	<b>3</b>	<1	3	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	<1	0	---
Chromium	ppm	<b>6</b>	2	6	---
Molybdenum	ppm	<b>5</b>	3	1	---
Nickel	ppm	<b>2</b>	<1	1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>9</b>	4	13	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>45</b>	172	7	---
Magnesium	ppm	<b>1</b>	<1	0	---
Zinc	ppm	<b>29</b>	80	2	---
Phosphorus	ppm	<b>2347</b>	2057	2337	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>280</b>	244	259	---

## 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.

**Depot:** VOLVO8882  
**Unique No:** 10325654  
**Signed:** Wes Davis  
**Report Date:** 08 Feb 2023



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## GRAPHS

