



# CONSTRUCTION EQUIPMENT

## STANLEY VOLVO A45G 352353 - TRANSMISSION (AUTO)



**Sample No:** VCP449041

**Oil Type:** MOBIL ATF

**Job No:** STANLEY



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP449041</b>   | VCP409409   | --- | --- |
| Sample Date   | <b>22 Jan 2024</b> | 14 Aug 2023 | --- | --- |
| Machine Hours | <b>4155</b>        | 3500        | --- | --- |
| Oil Hours     | <b>0</b>           | 1000        | --- | --- |
| Oil Changed   | <b>N/A</b>         | Not Changd  | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



### OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>32.4</b> | 27.3 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



### CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | <b>6</b>   | 12  | --- | --- |
| Sodium    | ppm | <b>4</b>   | <1  | --- | --- |
| Potassium | ppm | <b>1</b>   | 3   | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |           |    |     |     |
|------------|-----|-----------|----|-----|-----|
| Iron       | ppm | <b>38</b> | 38 | --- | --- |
| Copper     | ppm | <b>73</b> | 71 | --- | --- |
| Lead       | ppm | <b>0</b>  | <1 | --- | --- |
| Tin        | ppm | <b>8</b>  | 7  | --- | --- |
| Aluminum   | ppm | <b>15</b> | 14 | --- | --- |
| Chromium   | ppm | <b>0</b>  | 0  | --- | --- |
| Molybdenum | ppm | <b>0</b>  | <1 | --- | --- |
| Nickel     | ppm | <b>12</b> | 12 | --- | --- |
| Titanium   | ppm | <b>0</b>  | <1 | --- | --- |
| Silver     | ppm | <b>0</b>  | 0  | --- | --- |
| Manganese  | ppm | <b>2</b>  | 1  | --- | --- |
| Vanadium   | ppm | <b>0</b>  | 0  | --- | --- |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>78</b>  | 88  | --- | --- |
| Magnesium  | ppm | <b>1</b>   | 2   | --- | --- |
| Zinc       | ppm | <b>0</b>   | 5   | --- | --- |
| Phosphorus | ppm | <b>175</b> | 176 | --- | --- |
| Barium     | ppm | <b>0</b>   | 0   | --- | --- |
| Boron      | ppm | <b>81</b>  | 88  | --- | --- |

**Depot:** VOLVO8882  
**Unique No:** 10856348  
**Signed:** Don Baldrige  
**Report Date:** 31 Jan 2024



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## GRAPHS

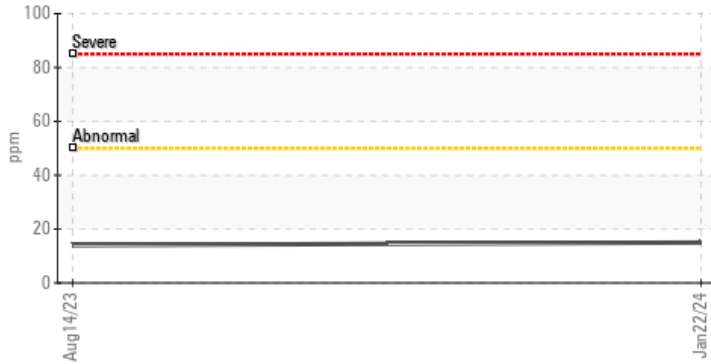
### Iron (ppm)



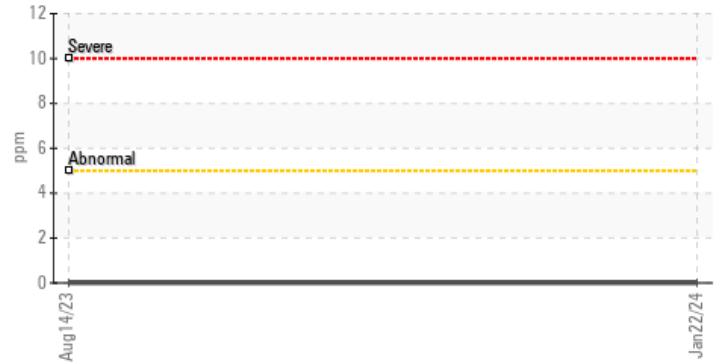
### Lead (ppm)



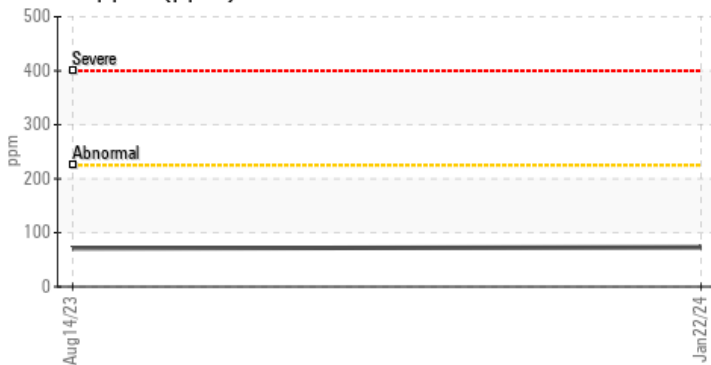
### Aluminum (ppm)



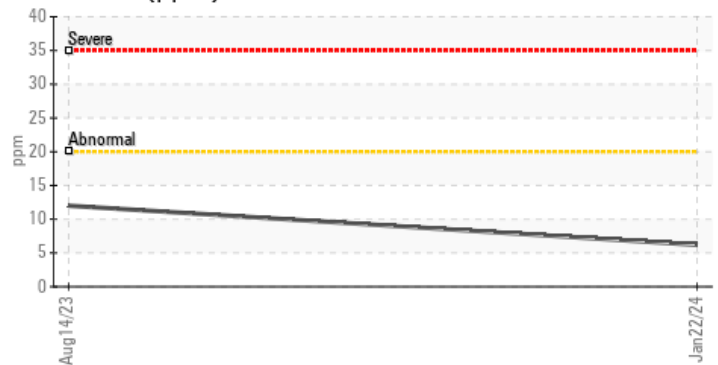
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

