

## CONSTRUCTION EQUIPMENT VOLVO A25G 742123 - REAR AXLE



Sample No: VCP415654
Oil Type: NOT GIVEN

Job No:

Sample Number	VOLVO					
Sample Date   05 Jul 2023   22 Jun 2023   10 May 2019     Machine Hours   0   5812   581     0   0   0   0   0   0   0   0	SAMPLI	E INFORMATION				
Sample Date   05 Jul 2023   22 Jun 2023   10 May 2019     Machine Hours   0   5812   581     0   0   0   0   0   0   0   0	Sample Number	•	VCP415654	VCP415507	VCP148030	
Machine Hours         0         5812         581            Oil Hours         NA         N/A         Changed            Sample Status         ABNORMAL         NORMAL         NORMAL            OIL CONDITION           VISIC @ 40°C         CSt         101         101         62.2            CONTAMINATION           Silicon         ppm         33         34         1            Sodium         ppm         3         2         3            VEAR METALS           Iron         ppm         128         139         121            Copper         ppm         66         62         111            Lead         ppm         0         0         0            Tin         ppm         2         3         <1            Aluminum         ppm         4         3         <1            Molybdenum         ppm         2         2         3            Nickel         ppm         1         1	•		05 Jul 2023	22 Jun 2023	10 May 2019	
Oil Changed         N/A         N/A         Changed            Sample Status         ABNORMAL         NORMAL            Oil CONDITION           Visc @ 40°C         CSt         101         101         62.2            CONTAMINATION           Silicon         ppm         33         34         1            Sodium         ppm         3         2         33            Voltow         WEAR METALS           Iron         ppm         128         139         121            Copper         ppm         66         62         11            Copper         ppm         0         0         0            Tin         ppm         1         3         -1            Copper         ppm         2         3         -1            Aluminum         ppm         2         3            Molydenum         ppm         1         1         0	•		0	5812		
Sample Status	Oil Hours		0	0	0	
Silicon   ppm   33   34   1	Oil Changed		N/A	N/A	Changed	
Silicon   ppm   33   34   1	Sample Status		ABNORMAL	NORMAL	NORMAL	
OIL CONDITION           Visc @ 40°C         cSt         101         101         62.2            CONTAMINATION           Silicon         ppm         33         34         1            Sodium         ppm         3         2         3            Potassium         ppm         <1         4         <1            WEAR METALS           Iron         ppm         128         139         121            Copper         ppm         666         62         111            Lead         ppm         0         0         0            Tin         ppm         2         3         <1            Chromium         ppm         2         2         3            Molybdenum         ppm         2         2         3            Nickel         ppm         1         1         0            Silver         ppm         0         0         0            Silver         ppm         2						
Visc @ 40°C   CSt	OIL CON	DITION				
CONTAMINATION  Silicon			<b>101</b>	m 101	62.2	
CONTAMINATION         Solicon       ppm       33       34       1          Sodium       ppm       3       2       3          Potassium       ppm       4       4       <1          WEAR METALS         Iron       ppm       128       139       121          Copper       ppm       66       62       111          Copper       ppm       0       0       0          Lead       ppm       0       0          Aluminum       ppm       2       3       <1          Aluminum       ppm       2       2       3          Molybdenum       ppm       2       2       3          Nickel       ppm       1       1       0          Nickel       ppm       1       1       0          Nickel       ppm       0       0          Manganese       ppm       2       3	VISC @ 40 C	CSt			02.2	
Silicon         ppm         33         34         1            Sodium         ppm         3         2         3            Potassium         ppm         <1	VOLVO					
Sodium   ppm   3	CONTAI	MINATION				
Potassium	Silicon	ppm	■33	□34	<b>1</b>	
WEAR METALS           Iron         ppm         128         139         121            Copper         ppm         66         62         111            Lead         ppm         0         0         0            Tin         ppm         2         3         <1	Sodium	ppm	■3	<b>2</b>	■3	
Iron	Potassium	ppm	<b>■&lt;1</b>	<b>4</b>	< 1	
Iron						
Copper         ppm         66         62         11            Lead         ppm         0         0            Tin         ppm         2         3         <1	WEAR	METALS				
Lead         ppm         0         0         0            Tin         ppm         2         3         -1            Aluminum         ppm         4         3         -1            Aluminum         ppm         4         3             Chromium         ppm         2         2         3            Molybdenum         ppm         2         2         1            Nickel         ppm         1         1         0            Titanium         ppm         1         1         0            Silver         ppm         0         0         0            Manganese         ppm         2         3         11            Vanadium         ppm         0         0            ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6	Iron	ppm	<b>128</b>	□139	<b>121</b>	
Tin         ppm         2         3         <1	Copper	ppm	<b>66</b>	<b>6</b> 2		
Aluminum       ppm       4       3       -1          Chromium       ppm       2       2       3          Molybdenum       ppm       <1	Lead	ppm	<b>0</b>	□0	<b>0</b>	
Chromium         ppm         2         2         3            Molybdenum         ppm         <1	Tin	ppm	<b>2</b>	<b>3</b>	<b></b>	
Molybdenum         ppm         <1         <1         3            Nickel         ppm         2         2         1            Titanium         ppm         1         1         0            Silver         ppm         0         0         0            Manganese         ppm         2         3         11            Vanadium         ppm         0         0         0            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	Aluminum	ppm	<b>4</b>	■3	<b></b>	
Nickel         ppm         2         2         1            Titanium         ppm         1         1         0            Silver         ppm         0         0         0            Manganese         ppm         2         3         11            Vanadium         ppm         0         0         0            ADDITIVES         ADDITIVES         36            Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274		ppm	<b>2</b>	<b>2</b>	<b>3</b>	
Titanium         ppm         1         1         0            Silver         ppm         0         0         0            Manganese         ppm         2         3         11            Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	Molybdenum	ppm	<1	<1	3	
Silver         ppm         0         0         0            Manganese         ppm         2         3         11            Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	Nickel	ppm	<b>2</b>	<b>2</b>	<b>1</b>	
Manganese         ppm         2         3         11            Vanadium         ppm         0         0            ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274		ppm				
Vanadium         ppm         0         0         0            ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274		ppm	_		-	
ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274						
ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	Vanadium	ppm	0	0	0	
ADDITIVES           Calcium         ppm         237         274         36            Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	VOLVO					
Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	ADDITIV	VES				
Magnesium         ppm         5         3         0            Zinc         ppm         154         167         6            Phosphorus         ppm         1281         1408         1274	Calcium	ppm	237	274	36	
Phosphorus         ppm         1281         1408         1274	Magnesium		5	3	0	
	Zinc	ppm	154	167	6	
Barium ppm <b>0</b> 0 0	Phosphorus	ppm	1281	1408	1274	
· · · · · · · · · · · · · · · · · · ·	Barium	ppm	0	0	0	
<b>Boron</b> ppm <b>319</b> 313 177	Boron		319	313	177	



215 - ASCENDUM MACHINERY INC - CAYCE 2303 AIRPORT BLVD CAYCE, SC US 29033 Contact: ROBBY HERLONG robby.herlong@ascendummachinery.com T: (803)394-6783 F: (803)791-9920

## Diagnosis

We advise that you inspect for the source(s) of metal. 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.

Depot:VOLVO0013Unique No:10548930Signed:Don BaldridgeReport Date:11 Jul 2023



## **CONSTRUCTION EQUIPMENT**





