## **CONSTRUCTION EQUIPMENT** 578354 T AND K VOLVO A45G 752152 - BRAKE COOLING SYSTEM

Sample No: VCP439773

VOLVO

**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5 Job No: 578354 T AND K



Sample Number         VCP439773         Image Status         VCP439773         Image Status	SAMPLI	E INFORMATION				
Machine Hours       967            Oil Hours       967            Oil Changed       Changed            Sample Status       NORMAL            Oil CONDITON             Visc @ 40°C       cSt       42.7            Visc @ 40°C       cSt       MEG            Solicon       ppm       12            Solicon       ppm       64 <tr< td=""><td>Sample Number</td><td></td><td>VCP439773</td><td> </td><td></td><td></td></tr<>	Sample Number		VCP439773	 		
Oil Hours       967            Oil Changed       Changed            Sample Status       NORMAL            Visc @ 40°C       cSt       42.7            Solicon       ppm       12             Solicon       ppm       64             Inn       ppm       C1 <t< td=""><td>Sample Date</td><td></td><td>07 Jun 2024</td><td> </td><td></td><td></td></t<>	Sample Date		07 Jun 2024	 		
Oil Changed       Changed            Sample Status       NORMAL            Source Status       NORMAL            Visc @ 40°C       cSt       42.7            Solicon       ppm       12             Solium       ppm       28             Copper       ppm       0             Lead       ppm	Machine Hours		967	 		
Sample StatusNORMALOIL CONDITIONVisc @ 40°CcSt42.7CONTAMINATIONWater%NEGSoliumppm12Soliumppm11Potassiumppm14Verker KETALSIronppm28Copperppm644Leadppm0Tinppm28Copperppm14Leadppm0Tinppm21Molybdenumppm<1	Oil Hours		967	 		
Nice 40°C       cSt       42.7           CONTAMINATION         Water       %       NEG            Silicon       ppm       12            Sodium       ppm       11            Sodium       ppm       14            Verant Exit       Ppm       64            Verant Exit       Ppm       64            Verant Ppm       0             Iron       ppm       0             Verant Exit       Ppm       0             Iron       ppm       0             Iron       ppm       0             Iron       ppm       0             Lead       ppm       0 <th< td=""><td>Oil Changed</td><td></td><td>Changed</td><td> </td><td></td><td></td></th<>	Oil Changed		Changed	 		
OIL CONDITION           Visc @ 40°C         cSt         42.7              Vater         %         NEG              Silicon         ppm         12              Sodium         ppm         112              Sodium         ppm         14              Potassium         ppm         64              Copper         ppm         664              Lead         ppm         0              Aluminum         ppm         22              Molybdenum         ppm         <1	Sample Status		NORMAL	 		
OIL CONDITION           Visc @ 40°C         cSt         42.7              Vater         %         NEG              Silicon         ppm         12              Sodium         ppm         112              Sodium         ppm         14              Potassium         ppm         64              Copper         ppm         664              Lead         ppm         0              Aluminum         ppm         22              Molybdenum         ppm         <1						
Vater         %         NEG              Silicon         ppm         12              Sodium         ppm         1              Potassium         ppm         4              Verance         Verance         Verance         Verance         Verance         Verance           Verance         Verance         Verance         Verance         Verance            Verance         verance         verance         verance             Verance         verance         verance         verance             Verance         verance         verance         verance             Verance         ppm         64              Lead         ppm         0              Aluminum         ppm         21              Molybdenum         ppm         41              Nickel         pp	OIL CON	IDITION				
CONTAMINATION           Water         %         NEG             Silicon         ppm         12              Sodium         ppm         1              Potassium         ppm         4              WEAR METALS         WEAR METALS              Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Aluminum         ppm         2              Aluminum         ppm         <1	Visc @ 40°C	cSt	42.7	 		
CONTAMINATION           Water         %         NEG             Silicon         ppm         12              Sodium         ppm         1              Potassium         ppm         4              WEAR METALS         WEAR METALS              Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Aluminum         ppm         2              Aluminum         ppm         <1						
Water         %         NEG             Silicon         ppm         12              Sodium         ppm         1              Potassium         ppm         4              WEAR METALS               WEAR METALS               Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Aluminum         ppm         2              Molybdenum         ppm         <1              Nickel         ppm         4              Silver         ppm         0              Silver         ppm         0 </td <td>VOLVO</td> <td></td> <td></td> <td></td> <td></td> <td></td>	VOLVO					
Silicon       ppm       12            Sodium       ppm       1            Potassium       ppm       4            WEAR METALS             Iron       ppm       28            Copper       ppm       64            Lead       ppm       0            Aluminum       ppm       22            Molybdenum       ppm       <1				 	· ·	
Sodium         ppm         1             Potassium         ppm         4              WEAR METALS         WEAR METALS              Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Tin         ppm         0              Aluminum         ppm         21              Molybdenum         ppm         <1		%		 		
Potassium         ppm         4             WEAR METALS              Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Aluminum         ppm         2              Aluminum         ppm         2              Molybdenum         ppm         <1              Nickel         ppm         <1              Silver         ppm         0              Manganese         ppm         <1		ppm		 		
WEAR METALS             Iron         ppm         28             Copper         ppm         64             Lead         ppm         0             Tin         ppm         0             Aluminum         ppm         2             Chromium         ppm         <1		ppm	∎1	 		
WEAR METALS           Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Tin         ppm         0              Aluminum         ppm         2              Chromium         ppm         <1	Potassium	ppm	<b>4</b>	 		
WEAR METALS           Iron         ppm         28              Copper         ppm         64              Lead         ppm         0              Tin         ppm         0              Aluminum         ppm         2              Chromium         ppm         <1						
Copper         ppm         64             Lead         ppm         0              Tin         ppm         0              Aluminum         ppm         2              Chromium         ppm         <1	WEAR I	METALS				
Lead       ppm       0           Tin       ppm       0           Aluminum       ppm       2           Chromium       ppm       <1	Iron	ppm	28	 		
Tin         ppm         0              Aluminum         ppm         2              Chromium         ppm         <1	Copper	ppm	<b>6</b> 4	 		
Aluminum       ppm       2            Chromium       ppm       <1	Lead	ppm	0	 		
Chromium         ppm         <1             Molybdenum         ppm         <1	Tin	ppm	0	 		
Molybdenum         ppm         <1             Nickel         ppm         Image:	Aluminum	ppm	2	 		
Nickel         ppm         4              Titanium         ppm         <1	Chromium	ppm	<b></b> <1	 		
Titanium         ppm         <1             Silver         ppm         0              Manganese         ppm         1	Molybdenum	ppm	<b>  </b> <1	 		
Silver         ppm         0              Manganese         ppm         I	Nickel	ppm	<b>4</b>	 		
Manganese ppm	Titanium	ppm	<1	 		
5 11 –	Silver	ppm	0	 		
Vanadium ppm <b>0</b>	Manganese	ppm	<b></b> <1	 		
	Vanadium	ppm	0	 		

Vanadium

**ADDITIVES** Calcium 3492 ppm **7** Magnesium ppm Zinc ppm 1488 Phosphorus 1243 ppm Barium 0 🔲 ppm Boron 125 ppm



TA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

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## iagnosis

esample at the next service interval o monitor.All component wear rates re normal. There is no indication of ny contamination in the oil. The ondition of the oil is acceptable for he time in service.

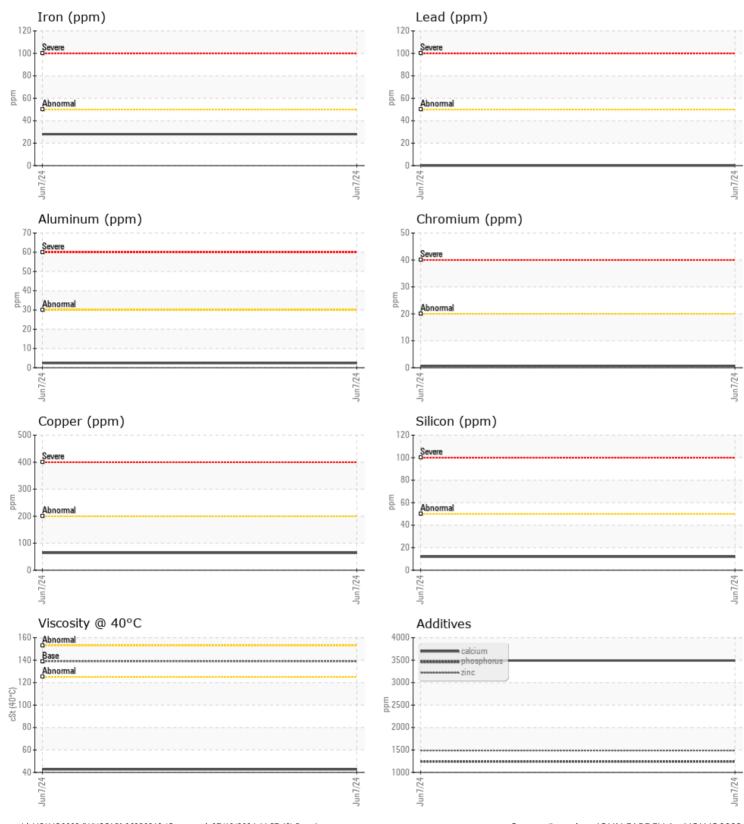
Depot: VOLVO0093 Unique No: 11127046 Signed: Sean Felton Report Date: 18 Jul 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: JOHN FARDELLA - VOLVO0093