

# CONSTRUCTION EQUIPMENT SW1016064 LKQ VOLVO L90E 71078 - FRONT AXLE



Sample No: VCP404263

Oil Type: VOLVO WB 102

Job No: SW1016064 LKQ

Sample Number   VCP404263					
Sample Number   VCP404263	VOLVO				
Sample Date   21 Jun 2023	SAMPLE	INFORMATION			
Machine Hours Oil Hours O	ample Number	-	VCP404263	 	
Oil Hours         0              Sample Status         NORMAL              VOLVO         OIL CONDITION           Visc @ 40°C         CSt         #44.5              CONTAMINATION           Silicon         ppm         0              Sodium         ppm         0              VEAR METALS           Iron         ppm         0              VEAR METALS           Iron         ppm         0              Lead         ppm         0              Lead         ppm         0              Aluminum         ppm         0              Chromium         ppm         0              Molybdenum         ppm         0 <t< td=""><td>Sample Date</td><td></td><td>21 Jun 2023</td><td> </td><td></td></t<>	Sample Date		21 Jun 2023	 	
Oil Changed         Not Changd              Sample Status         NORMAL              VOIVO CONTAMINATION           Silicon         ppm         7              Sodium         ppm         0              VEAR METALS           Iron         ppm         10              VEAR METALS               Iron         ppm         10              Lead         ppm         -              Lead         ppm         0              Aluminum         ppm         0              Chromium         ppm         0              Molydenum         ppm         0              Silver         ppm         0              S	∕lachine Hours		6452	 	
Sample Status	Oil Hours		0	 	
OIL CONDITION           Visc @ 40°C         cSt         44.5             CONTAMINATION           Silicon         ppm <td>Oil Changed</td> <td></td> <td>Not Changd</td> <td> </td> <td></td>	Oil Changed		Not Changd	 	
OIL CONDITION           Visc @ 40°C         cSt         44.5 <td< td=""><td>Sample Status</td><td></td><td>NORMAL</td><td> </td><td></td></td<>	Sample Status		NORMAL	 	
OIL CONDITION           Visc @ 40°C         cSt         44.5 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
CONTAMINATION  Silicon ppm 7 Sodium ppm 0 Potassium ppm 11  Iron ppm 10 Copper ppm 11 Lead ppm 1	OIL CON	DITION			
CONTAMINATION           Silicon         ppm         7              Sodium         ppm         0              Potassium         ppm         1              WEAR METALS           Iron         ppm         10              Copper         ppm        1              Lead         ppm               Lead         ppm         0              Aluminum         ppm         0              Aluminum         ppm         0              Molybdenum         ppm         0              Nickel         ppm         0              Nikel         ppm         0              Silver         ppm         0 <td>/isc @ 40°C</td> <td>cSt</td> <td><b>44.5</b></td> <td> </td> <td></td>	/isc @ 40°C	cSt	<b>44.5</b>	 	
CONTAMINATION           Silicon         ppm         7              Sodium         ppm         0              Potassium         ppm         1              WEAR METALS           Iron         ppm         10              Copper         ppm        1              Lead         ppm               Lead         ppm         0              Aluminum         ppm         0              Aluminum         ppm         0              Molybdenum         ppm         0              Nickel         ppm         0              Nikel         ppm         0              Silver         ppm         0 <td></td> <td></td> <td></td> <td></td> <td></td>					
Silicon         ppm         7 </td <td>CONTAN</td> <td>IINATION</td> <td></td> <td></td> <td></td>	CONTAN	IINATION			
Sodium	_	IINATIUN			
WEAR METALS           Iron         ppm         10               Copper         ppm         <1		ppm		 	
WEAR METALS           Iron         ppm         10              Copper         ppm         <1		ppm		 	
WEAR METALS           Iron         ppm         10              Copper         ppm         <1	otassium '	ppm	<b>1</b>	 	
WEAR METALS           Iron         ppm         10              Copper         ppm         <1					
Copper         ppm         <1	WEAR M	IETALS			
Lead         ppm         <1	ron	ppm	<b>10</b>	 	
Tin         ppm         0              Aluminum         ppm         <1	Copper	ppm	<b>■&lt;1</b>	 	
Aluminum       ppm       <1	.ead	ppm	<b>■&lt;1</b>	 	
Chromium         ppm         0              Molybdenum         ppm         1               Nickel         ppm         0               Silver         ppm         0               Manganese         ppm         <1	în	ppm	<b>0</b>	 	
Molybdenum         ppm              Nickel         ppm         0              Titanium         ppm         0              Silver         ppm         0              Manganese         ppm         <1	Aluminum	ppm	<b>■&lt;1</b>	 	
Nickel         ppm         0              Titanium         ppm         0              Silver         ppm         0              Manganese         ppm         <1	Chromium	ppm	■0	 	
Titanium         ppm         0              Silver         ppm         0              Manganese         ppm               Vanadium         ppm         0	Лolybdenum	ppm	<b>□&lt;1</b>	 	
Silver         ppm         0              Manganese         ppm               Vanadium         ppm         0	Nickel	ppm	<b>■</b> 0	 	
Silver         ppm         0              Manganese         ppm         <1	itanium	ppm	0	 	
Vanadium ppm <b>0</b>	Silver		0	 	
Vanadium ppm <b>0</b>	√langanese	ppm	<b>-&lt;1</b>	 	
ADDITIVES	/anadium		0	 	
ADDITION					
AUDITIVES	ADDITIV	73			
	_	<b>C</b> 7			
Calcium ppm <b>2329</b>		ppm		 	
Magnesium ppm = 9	/lagnesium	ppm	<b>■</b> 9	 	
Zinc ppm <b>1068</b>	íinc	ppm	<b>1068</b>	 	
Phosphorus ppm   893	hosphorus	ppm	■893	 	
Barium ppm <b>2</b>	Barium	ppm	_	 	
Boron ppm <b>82</b>	Boron	ppm	■82	 	



#### ARNOLD MACHINERY COMPANY

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### Diagnosis

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates. 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:VOLVO6174Unique No:10535197Signed:Jonathan HesterReport Date:06 Jul 2023



## **CONSTRUCTION EQUIPMENT**





