

## **CONSTRUCTION EQUIPMENT**

SWA292727 SENNEBOGEN 860 860.0.1095 - SWING DRIVE

Sample No: VCP410282
Oil Type: NOT GIVEN
Job No: SWA292727

Sample Number   VCP410282					
Sample Number         VCP410282	SAMPLE	E INFORMATIO	N		
Sample Date   25 Aug 2023					 
Machine Hours       10929            Oil Hours       0            Oil Canged       Not Changd            Sample Status       SEVERE            VOLVO       CONTAMINATION         Value            Silicon       ppm       10           Sodium       ppm       4           Potassium       ppm       3           VOLVO       WEAR METALS            Iron       ppm       1116            Copper       ppm       28            Lead       ppm       2            Tin       ppm       6            Chromium       ppm       10            Molybdenum       ppm       2            Titanium       ppm <td></td> <td></td> <td></td> <td></td> <td></td>					
Oil Hours         0              Oil Changed         Not Changd              Sample Status         SEVERE              CONTAMINATION           Water         %         73.3              Sodium         ppm         10              Sodium         ppm         4              Potassium         ppm         3              WEAR METALS           Iron         ppm         298              WEAR METALS         Iron              Iron         ppm         298             Lead         ppm         28             Tin         ppm         28             Aluminum         ppm         10             Molybdenum         ppm         2             I	-		_		 
Oil Changed         Not Changd              Sample Status         SEVERE              CONTAMINATION           Water         %         73.3              Sodium         ppm         10              Sodium         ppm         4              Potassium         ppm         3              WEAR METALS         Iron         ppm         298              Lead         ppm         2               Lead         ppm         2               Aluminum         ppm         6               Molybdenum         ppm         10              Molybdenum         ppm         2             Titanium         ppm         4             Silver					 
Sample Status					 
OIL CONDITION         Visc @ 40°C cSt       ■ 0.8            CONTAMINATION         Water       %       ● 73.3            Silicon       ppm       ■ 10            Sodium       ppm       ■ 4            Potassium       ppm       ■ 3            WEAR METALS         Iron       ppm       ■ 298            Lead       ppm       ■ 2            Lead       ppm       ■ 2            Tin       ppm       ■ 28            Aluminum       ppm       ■ 6            Chromium       ppm       ■ 10            Molybdenum       ppm       ■ 2            Nickel       ppm       ■ 2            Titanium       ppm       <			_		 
OIL CONDITION           Visc @ 40°C         cSt         0.8              CONTAMINATION           Water         %         73.3              Silicon         ppm         10              Sodium         ppm         4              Potassium         ppm         3              WEAR METALS           Iron         ppm         298              Lead         ppm         2              Lead         ppm         2              Aluminum         ppm         6              Chromium         ppm         10              Molybdenum         ppm         2              Nickel         ppm         1              Silver         ppm         0 <td></td> <td></td> <td>0-1-1</td> <td></td> <td></td>			0-1-1		
Visc @ 40°C	VOLVO	DITION			
CONTAMINATION  Water % 73.3 Silicon ppm 10 Potassium ppm 3  WEAR METALS  Iron ppm 1116 Copper ppm 22 Tin ppm 28 Aluminum ppm 66 Chromium ppm 10 Molybdenum ppm 2 Nickel ppm 2 Silver ppm 0 Silver ppm 0 Silver ppm 0  Silver  Contamination		IDI I IUN			
CONTAMINATION         Water       %       ● 73.3            Silicon       ppm       ■ 10            Sodium       ppm       ■ 4            Potassium       ppm       ■ 3            Looper       ppm       ■ 1116            Copper       ppm       ■ 298            Lead       ppm       ■ 2            Tin       ppm       ■ 28            Aluminum       ppm       ■ 6            Chromium       ppm       ■ 10            Molybdenum       ppm       ■ 2            Nickel       ppm       ■ 2            Silver       ppm       0	Visc @ 40°C	cSt	■ 0.8		 
CONTAMINATION         Water       %       ● 73.3            Silicon       ppm       ■ 10            Sodium       ppm       ■ 4            Potassium       ppm       ■ 3            Looper       ppm       ■ 1116            Copper       ppm       ■ 298            Lead       ppm       ■ 2            Tin       ppm       ■ 28            Aluminum       ppm       ■ 6            Chromium       ppm       ■ 10            Molybdenum       ppm       ■ 2            Nickel       ppm       ■ 2            Silver       ppm       0					
Water       %       73.3 <td< td=""><td>CUNTAN</td><td>MINATION</td><td></td><td></td><td></td></td<>	CUNTAN	MINATION			
Silicon       ppm       ■ 10			72.2	_	
Sodium         ppm         ■4              Potassium         ppm         ■3              Iron         ppm         ■1116              Copper         ppm         ■2              Lead         ppm         ■2              Aluminum         ppm         ■6              Aluminum         ppm         ■10              Molybdenum         ppm         ■2              Nickel         ppm         ■2              Silver         ppm         0			*		 
Potassium         ppm         3              Iron         ppm         1116              Copper         ppm         298              Lead         ppm         2              Tin         ppm         6              Aluminum         ppm         10              Chromium         ppm         2              Molybdenum         ppm         2              Nickel         ppm         2              Titanium         ppm         <1					 
WEAR METALS           Iron         ppm         1116              Copper         ppm         298              Lead         ppm         2              Tin         ppm         6              Aluminum         ppm         10              Chromium         ppm         2              Molybdenum         ppm         2              Nickel         ppm         2              Titanium         ppm         <1					
WEAR METALS           Iron         ppm         ● 1116              Copper         ppm         ● 298              Lead         ppm         ● 2              Tin         ppm         ● 6              Aluminum         ppm         ● 6              Chromium         ppm         ● 10              Molybdenum         ppm         ● 2              Nickel         ppm         ● 2              Titanium         ppm         < 1	Potassium	ppm	<b>3</b>		 
WEAR METALS           Iron         ppm         ● 1116              Copper         ppm         ● 298              Lead         ppm         ● 2              Tin         ppm         ● 6              Aluminum         ppm         ● 6              Chromium         ppm         ● 10              Molybdenum         ppm         ● 2              Nickel         ppm         ● 2              Titanium         ppm         < 1	VOLVO				
Iron       ppm       ● 1116            Copper       ppm       ● 298            Lead       ppm       ● 28            Aluminum       ppm       ● 6            Chromium       ppm       ● 10            Molybdenum       ppm       2            Nickel       ppm       ● 2            Titanium       ppm       <1	WEAR N	METALS			
Copper         ppm         298              Lead         ppm         2              Tin         ppm         28              Aluminum         ppm         6              Chromium         ppm         10              Molybdenum         ppm         2              Nickel         ppm         2              Titanium         ppm         <1			1116		 
Lead       ppm       2            Tin       ppm       28            Aluminum       ppm       6            Chromium       ppm       10            Molybdenum       ppm       2            Nickel       ppm       2            Titanium       ppm       <1			•		 
Tin         ppm         28              Aluminum         ppm         6              Chromium         ppm         10              Molybdenum         ppm         2              Nickel         ppm         2              Titanium         ppm         <1					 
Aluminum       ppm       6            Chromium       ppm       10            Molybdenum       ppm       2            Nickel       ppm       2            Titanium       ppm       <1					 
Chromium         ppm         10              Molybdenum         ppm         2              Nickel         ppm         2              Titanium         ppm         <1					 
Molybdenum         ppm         2              Nickel         ppm         2              Titanium         ppm         <1              Silver         ppm         0					 
Nickel         ppm         2              Titanium         ppm         <1	Molvbdenum		2		 
Titanium         ppm         <1              Silver         ppm         0	-		<b>2</b>		 
Silver ppm <b>0</b>			<1		 
	Silver		0		 
	Manganese	ppm	12		 
Vanadium ppm 0			0		 
		- ' '			
ADDITIVES	VOLVO	IEC			
	AUUIII	AE7			
Calcium ppm <b>111</b>					 
Magnesium ppm 19		ppm			 
Zinc ppm <b>269</b>		ppm			 
Phosphorus ppm 604	•	ppm			 
Barium ppm <b>2</b>	Barium	ppm			 
Boron ppm 176	Boron	ppm	176		 



ALTA EQUIPMENT CO - ORLAND PARK 5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560 F:

## Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform an accurate viscosity test. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:VOLVO8885Unique No:10622870Signed:Don BaldridgeReport Date:30 Aug 2023



## **CONSTRUCTION EQUIPMENT**





## GRAPHS

