

# CONSTRUCTION EQUIPMENT SPM717251 HOLCIM VOLVO EC550EL 310212 - HYDRAULIC SYSTE

Sample No: VCP436922 **Oil Type:** AW HYDRAULIC OIL ISO 46 Job No: SPM717251 HOLCIM

SAMPLE INFORMATION       Sample Number     VCP436922          Sample Date     20 May 2024          Machine Hours     478          Oil Hours     0          Oil Changed     Not Changd          Sample Status     ABNORMAL          Visc @ 40°C     CSt     42.0          Visc @ 40°C     CSt     90.1          Visc @ 40°C     CSt     90.1     0.1         Visc @ 40°C     St     90.1     0.1          Visc @ 40°C     NeEG <th< th=""><th>VOLVO</th><th></th><th></th><th></th><th></th></th<>	VOLVO				
Sample Date   20 May 2024        Machine Hours   478        Oil Hours   0        Oil Changed   Not Changd        Sample Status   ABNORMAL        Vot Could (NUMERIAN)   ABNORMAL        Vot Could (NUMERIAN)   Macone        Vot Could (NUMERIAN)   mg KOH/g   0.41         Soliun ppm   0           Soliun ppm   0	SAMPLE IN	NFORMATION			
Sample Date   20 May 2024        Machine Hours   478        Oil Hours   0        Oil Changed   Not Changd        Sample Status   ABNORMAL        Oil CONDITION         Visc @ 40°C   cSt   42.0        Acid Number (AN)   mg KOH/g   0.41        Visc @ 40°C   cSt   42.0        Solicon   mg KOH/g   0.41        Solicon   ppm   0        Solium   ppm   0 <t< td=""><td>Sample Number</td><td>-</td><td>VCP436922</td><td></td><td> </td></t<>	Sample Number	-	VCP436922		 
Machine Hours   478        Oil Hours   0        Oil Changed   Not Changd        Sample Status   ABNORMAL        Oil CONDITION         Visc @ 40°C   cSt   42.0        Acid Number (AN)   mg KOH/g   0.41        Visc @ 40°C   cSt   42.0        Visc @ 40°C   cSt   42.0        Acid Number (AN)   mg KOH/g   0.41        Visc @ 40°C   cSt   42.0        Solicon   ppm   0        Solicon   ppm   0        Solicon   ppm   0        Copper   ppm   0			20 May 2024		 
Not Changd          Sample Status     ABNORMAL          OIL CONDITION           Visc @ 40°C     cSt     42.0          Acid Number (AN)     mg KOH/g     0.41          Visc @ 40°C     cSt     42.0          CONTAMINATION     0.41          Water     %     NEG          Solium     ppm     0          Solium     ppm     0          Visc WEAR METALS           Iron     ppm     0          Iron     ppm     0          Iron     ppm     0          Iron     ppm </td <td></td> <td></td> <td></td> <td></td> <td> </td>					 
Sample Status     ABNORMAL          OIL CONDITION     OIL CONDITION          Visc @ 40°C     CSt     42.0          Acid Number (AN)     mg KOH/g     0.41          Visc @ 40°C     CSt     42.0          Acid Number (AN)     mg KOH/g     0.41          Visc @ 40°C     CSt     42.0          Water     %     NEG          Silicon     ppm     0          Sodium     ppm     0          Sodium     ppm     0          Potassium     ppm     0          Iron     ppm     0          Copper     ppm     0	Oil Hours		0		 
Visc @ 40°C     CSt     42.0         Acid Number (AN) mg KOH/g     0.41          Kicid Number (AN) mg KOH/g     0.41          Korr     Mg KOH/g     0.41          Korr     Mg KOH/g     0.41          Korr     Mg KOH/g     0.41          Korr     Mg KOH/g     0.41          Water     %     NEG          Water     %     NEG          Silicon     ppm     0          Sodium     ppm     0          Kear METALS           Iron     ppm     0          Copper     ppm     0	Oil Changed		Not Changd		 
OIL CONDITION       Visc @ 40°C     cSt     42.0          Acid Number (AN)     mg KOH/g     0.41          Visc @ 10°C     cNTAMINATION           Water     %     NEG          Solicon     ppm     0          Sodium     ppm     1          Potassium     ppm     0          Iron     ppm     14          Lead     ppm     0          Aluminum     ppm     0          Molybdenum     ppm     0          Nickel     ppm     0          Molybdenum     ppm     0          Silver <td< td=""><td>Sample Status</td><td></td><td>ABNORMAL</td><td></td><td> </td></td<>	Sample Status		ABNORMAL		 
OIL CONDITION       Visc @ 40°C     cSt     42.0          Acid Number (AN)     mg KOH/g     0.41          CONTAMINATION            Water     %     NEG          Soliton     ppm     0          Solitom     ppm     0          Volume     pm     0          Volume     pm     0          Volume     ppm     0          Volume     ppm     0          Volume     ppm     0          Iron     ppm     0          Iron     ppm     0          Iron     ppm     0<					
Visc @ 40°C   cSt   42.0        Acid Number (AN)   mg KOH/g   0.41        Water   %   NEG        Silicon   ppm   0        Sodium   ppm   0        Potassium   ppm   0        Votion   P   14        Copper   ppm   0        Itin   ppm   0        Aluminum   ppm   0        Nickel   ppm   0        Nickel   ppm   0        Nickel   ppm   0        Molybdenum   ppm   0        Silver   ppm   0					
Acid Number (AN)   mg KOH/g   0.41       CONTAMINATION   Water   %   NEG       Water   %   NEG        Solicon   ppm   0        Soliton   ppm   1        Soliton   ppm   0        Wears   %   NEG        Soliton   ppm   0        Soliton   ppm   1        Verantic   Promotion   0        Wears   ppm   14        Copper   ppm   0        Lead   ppm   0        Aluminum   ppm   0        Molybdenum   ppm   0		÷	·		
CONTAMINATION       Water     %     NEG          Solicon     ppm     0          Solium     ppm     1          Potassium     ppm     0          WEAR METALS           Wear     ppm     0          Wear     ppm     0          Version     ppm     0          Wear     ppm     0          Lead     ppm     0          Aluminum     ppm     0          Molybdenum     ppm     0          Nickel     ppm     0          Silver     ppm     0<			_		 
CONTAMINATION       Water     %     NEG         Solicon     ppm     0          Solicon     ppm     1          Solicon     ppm     1          Solicon     ppm     1          Solicon     ppm     1          Solicon     ppm     0          Potassium     ppm     0          WEAR METALS            Copper     ppm     14           Lead     ppm     0           Aluminum     ppm     0           Molybdenum     ppm     0	Acid Number (AN)	mg KOH/g	0.41		 
CONTAMINATION       Water     %     NEG          Silicon     ppm     0          Sodium     ppm     1          Sodium     ppm     0          Potassium     ppm     0          WEAR METALS           Iron     ppm     2          Copper     ppm     14          Lead     ppm     0          Aluminum     ppm     0          Molybdenum     ppm     0          Nickel     ppm     0          Silver     ppm     0     Manganese     ppm     0 <td>VOLVO</td> <td></td> <td></td> <td></td> <td></td>	VOLVO				
Water%NEGSiliconppm0Sodiumppm1Potassiumppm0WEAR METALSIronppm2Copperppm14Leadppm0Aluminumppm0Aluminumppm0Molybdenumppm0Nickelppm0Silverppm0Manganeseppm0Monganeseppm0Molybaneseppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Silverppm0Sil	CONTAMIN	NATION			
Silicon   ppm   0        Sodium   ppm   1        Potassium   ppm   0        WEAR METALS         Yoon   ppm   2        Copper   ppm   0        Lead   ppm   0        Aluminum   ppm   0        Molybdenum   ppm   0        Nickel   ppm   0        Silver   ppm   0        Manganese   ppm   0			NEG		 
Sodium     ppm     1          Potassium     ppm     0           WEAR METALS     WEAR METALS            Iron     ppm     2           Copper     ppm     0           Lead     ppm     0           Aluminum     ppm     0           Molybdenum     ppm     0           Nickel     ppm     0           Silver     ppm     0           Manganese     ppm     0					 
Potassium     ppm     0          WEAR METALS     WEAR METALS           Iron     ppm     2           Copper     ppm     14           Lead     ppm     0           Aluminum     ppm     0           Molybdenum     ppm     0           Nickel     ppm     0           Silver     ppm     0           Manganese     ppm     0					 
WEAR METALS         Iron     ppm     2         Copper     ppm     14         Lead     ppm     0         Tin     ppm     0         Aluminum     ppm     0         Chromium     ppm     0         Molybdenum     ppm     0         Nickel     ppm     0         Silver     ppm     0         Manganese     ppm     0					 
WEAR METALS       Iron     ppm     2          Copper     ppm     14          Lead     ppm     0          Aluminum     ppm     0          Aluminum     ppm     0          Molybdenum     ppm     0          Nickel     ppm     0          Silver     ppm     0          Manganese     ppm     0		14 14 T			
Iron   ppm   2        Copper   ppm   14        Lead   ppm   0        Tin   ppm   0        Aluminum   ppm   0        Chromium   ppm   0        Molybdenum   ppm   0        Nickel   ppm   0        Silver   ppm   0        Manganese   ppm   0	VOLVO	TALC			
Copper     ppm     14          Lead     ppm     0          Tin     ppm     0          Aluminum     ppm     0          Aluminum     ppm     0          Chromium     ppm     0          Molybdenum     ppm     0          Nickel     ppm     0          Silver     ppm     0          Manganese     ppm     0	WEAR ME	TALS		<u>.</u>	
Lead   ppm   0        Tin   ppm   0        Aluminum   ppm   0        Chromium   ppm   2        Molybdenum   ppm   0        Nickel   ppm   0        Silver   ppm   0        Manganese   ppm   0	Iron	ppm	2		 
Tin     ppm     0          Aluminum     ppm     0           Aluminum     ppm     0           Chromium     ppm     0           Molybdenum     ppm     0           Nickel     ppm     0           Silver     ppm     0           Manganese     ppm     0	Copper	ppm	<b>1</b> 4		 
Aluminum   ppm   0        Chromium   ppm   2        Molybdenum   ppm   0        Nickel   ppm   0        Titanium   ppm   0        Silver   ppm   0        Manganese   ppm   0	Lead	ppm	0		 
Chromium     ppm     2          Molybdenum     ppm     0          Nickel     ppm     0          Titanium     ppm     0          Silver     ppm     0          Manganese     ppm     0	Tin	ppm			 
Molybdenum     ppm     0          Nickel     ppm     0          Titanium     ppm     0          Silver     ppm     0          Manganese     ppm     0	Aluminum	ppm	0		 
Nickel     ppm     0          Titanium     ppm     0          Silver     ppm     0          Manganese     ppm     0		ppm	2		 
Titanium     ppm     0          Silver     ppm     0          Manganese     ppm     0		ppm			 
Silver     ppm     0          Manganese     ppm     0		ppm	0		 
Manganese ppm <b>0</b>		ppm	0		 
	Silver	ppm	0		 
Vanadium ppm 0	Manganese	ppm	0		 
	Vanadium	ppm	0		 
VOLVO					 

### **ALTA EQUIPMENT CO - ORLAND PARK**

**5000 INDUSTRIAL HWY** GARY, IN US 46406 Contact: MARK DEROSA mark.derosa@altg.com T: (248)356-5200 F:

#### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8885 Unique No: 11059680 Signed: Don Baldridge Report Date: 04 Jun 2024 Contact/Location: MARK DEROSA - VOLVO8885

102

556

438

0 🔲

0

0

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

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## **CONSTRUCTION EQUIPMENT**





#### Ferrous Alloys

VOLVO



