

CONSTRUCTION EQUIPMENT VOLVO A45G 352982 - DROP BOX



 Sample No:
 VCP415181

 Oil Type:
 COWIN 80W90

Job No:

SAMPLE INFORMATION Sample Number VCP415181 Sample Date 15 Sep 2023 Machine Hours 3012 Oil Hours 0 Oil Changed Sample Status NORMAL OIL CONDITION Visc @ 40°C CSt 132 Sodium ppm 4 Silicon ppm 4 Sodium ppm 2 Sodium ppm 0 Sodium ppm 0 Solicon ppm 4					
Sample Date 15 Sep 2023 Machine Hours 3012 Oil Hours 0 Oil Changed Changed Sample Status NORMAL Vor OIL CONDITION Vor OIL CONDITION Vor OIL CONDITION Vor OIL CONDITION Vor CUTTAMINATION Sociaum ppm 0 Sociaum ppm 0 Sociaum ppm 0 Sociaum ppm 188 Iron ppm 0 Aluminum ppm 0 <		INFORMATION			
Machine Hours 3012 Oil Hours 0 Sample Status NORMAL Sample Status NORMAL Oil Condition NORMAL Visc @ 40°C CS 132 Sodium ppm 4 Sodium ppm 0 Potassium ppm 0 Visc @ 40°C cSt 188 Sodium ppm 0 Potassium ppm 0 Iron ppm 0 Lead ppm 0 Molybdenum ppm 8	Sample Number	-	VCP415181	 	
Machine Hours 3012 Oil Hours 0 Oil Changed Changed Sample Status NORMAL Visc @ 40°C CSt 132 Visc @ 40°C CSt 132 Visc @ 40°C CSt 132 Sodium ppm 0 Sodium ppm 0 Potassium ppm 0 Visc @ 40°C ppm 188 Visc @ 40°C ppm 0 Visc @ 40°C ppm 11 Iron ppm 0 Lead ppm 0 Mol	Sample Date		15 Sep 2023	 	
Oil Changed Changed Sample Status NORMAL Oil CONDITION Visc @ 40°C cSt 132 CONTAMINATION Sodium ppm 0 Potassium ppm 2 Visc @ 40°C cSt 188 Sodium ppm 0 Potassium ppm 188 Iron ppm 0 Lead ppm 0 Aluminum ppm 0 Nickel ppm 0 Nickel ppm 0 -	-		-	 	
Sample Status NORMAL Visc @ 40°C cSt 132 Sodium ppm 0 Potassium ppm 0 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 <td>Oil Hours</td> <td></td> <td>0</td> <td> </td> <td></td>	Oil Hours		0	 	
Visc @ 40°C cSt 132 CONTAMINATION Sodium ppm 0 Sodium ppm 0 Sodium ppm 0 Potassium ppm 188 Copper ppm 188 Iron ppm 0 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Molybdenum ppm 8 Nickel ppm 0 Silver ppm 5 </td <td>Oil Changed</td> <td></td> <td>Changed</td> <td> </td> <td></td>	Oil Changed		Changed	 	
OIL CONDITION Visc @ 40°C cSt 132 CONTAMINATION Sodium ppm 0 Sodium ppm 0 Potassium ppm 2 WEAR METALS Iron ppm 0 Query ppm 0 Iron ppm 188 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Molybdenum ppm 8 Mickel ppm 0 Maganese ppm 0 <	Sample Status		NORMAL	 	
OIL CONDITION Visc @ 40°C cSt 132 Solicon ppm 4 Solicon ppm 0 Solicon ppm 0 Potassium ppm 2 Vice WEAR METALS Iron ppm 0 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Molybdenum ppm 8 Nickel ppm 0 Nickel ppm 0 Vickel ppm 0 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
View Ppm 4 Silicon ppm 0 Potassium ppm 2 Potassium ppm 2 WEAR METALS Iron ppm 188 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Molybdenum ppm 3 Nickel ppm 0 Silver ppm 0 Maganese ppm 5 Vanadium ppm 25	OIL CON	DITION			
View Ppm 4 Silicon ppm 0 Potassium ppm 2 Potassium ppm 2 WEAR METALS Iron ppm 188 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Molybdenum ppm 3 Nickel ppm 0 Silver ppm 0 Maganese ppm 5 Vanadium ppm 25	Visc @ 40°C	cSt	132	 	
CONTAMINATION Silicon ppm 4 Sodium ppm 0 Potassium ppm 2 Potassium ppm 2 VEAR METALS Iron ppm 188 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Aluminum ppm 3 Nickel ppm 0 Nickel ppm 0 Silver ppm 0 Vanadium ppm 16					
Silicon ppm 4 Sodium ppm 0 Potassium ppm 2 Potassium ppm 2 Verant Metral S Verant Metral S Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Aluminum ppm 3 Molybdenum ppm 8 Nickel ppm 0 Silver ppm 0 Silver ppm 0 Yanadium ppm 5 Calciu	VOLVO				
Sodium ppm 0 Potassium ppm 2 WEAR METALS Iron ppm 188 Copper ppm <1		11NA HUN			
Potassium ppm 2 WEAR METALS Iron ppm 188 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Aluminum ppm 0 Kickel ppm 8 Nickel ppm 0 Viker ppm 0 Magnese ppm 0 Vanadium ppm 16 Calcium ppm 125 Magnesium ppm 25	Silicon	ppm	4	 	
WEAR METALS Iron ppm 188 Copper ppm C Lead ppm 0 Aluminum ppm 0 Aluminum ppm 0 Chromium ppm 0 Molybdenum ppm 8 Nickel ppm 0 Nickel ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 25 Magnesium ppm 79 Phosphorus ppm 0	Sodium	ppm	0	 	
WEAR METALS Iron ppm 188 Copper ppm <1	Potassium	ppm	2	 	
WEAR METALS Iron ppm 188 Copper ppm C1 Lead ppm 0 Tin ppm 0 Aluminum ppm 0 Aluminum ppm 0 Aluminum ppm 0 Aluminum ppm 0 Molybdenum ppm 8 Nickel ppm 0 Silver ppm 0 Vanadium ppm 0 Calcium ppm 116 Magnesium ppm 25					
Copper ppm I Lead ppm 0 Tin ppm 0 Aluminum ppm 0 Aluminum ppm 0 Aluminum ppm 0 Molybdenum ppm 8 Nickel ppm 0 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 Calcium ppm 116 Magnesium ppm 25 Zinc ppm 1024	WEAR N	METALS			
Lead ppm 0 Tin ppm 0 Aluminum ppm 0 Aluminum ppm 0 Chromium ppm 3 Molybdenum ppm 6 Nickel ppm 6 Silver ppm 0 Manganese ppm 0 Vanadium ppm 116 Calcium ppm 25 Magnesium ppm 79 Phosphorus ppm 0	Iron	ppm	188	 	
Tin ppm 0 Aluminum ppm 0 Aluminum ppm 0 Chromium ppm 3 Molybdenum ppm 8 Nickel ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 0 Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 0	Copper	ppm		 	
Aluminum ppm 0 Chromium ppm 3 Molybdenum ppm 8 Nickel ppm Titanium ppm 0 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 Vanadium ppm 116 Calcium ppm 25 Magnesium ppm 79 Phosphorus ppm 1024 Barium ppm 0	Lead	ppm	0	 	
Chromium ppm 3 Molybdenum ppm 8 Nickel ppm <1	Tin	ppm	0	 	
Molybdenum ppm 8 Nickel ppm	Aluminum	ppm	0	 	
Nickel ppm <1 Titanium ppm 0 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 0 Barium ppm 0	Chromium	ppm	3	 	
Titanium ppm 0 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 Vanadium ppm 0 ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 0 Barium ppm 0	Molybdenum	ppm	8	 	
Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 Anddium ppm 0 ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 00 Barium ppm 0	Nickel	ppm	 <1	 	
Manganese ppm 5 Vanadium ppm 0 Vanadium ppm 0 ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0	Titanium	ppm	0	 	
Vanadium ppm 0 ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0	Silver	ppm	0	 	
ADDITIVESCalciumppm116Magnesiumppm25Zincppm79Phosphorusppm1024Bariumppm0	Manganese	ppm	5	 	
ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0	Vanadium	ppm	0	 	
ADDITIVES Calcium ppm 116 Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0					
Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0	ADDITIV	/ES		 	
Magnesium ppm 25 Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0	Calcium	ppm	116	 	
Zinc ppm 79 Phosphorus ppm 1024 Barium ppm 0	Magnesium		25	 	
Phosphorus ppm 1024 Barium ppm 0	2		79	 	
Barium ppm 0	Phosphorus		1024	 	
			0	 	
	Boron	ppm	205	 	



COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE PENSACOLA, FL US 32534 Contact: HUGH DOBBS HDOBBS@COWIN.COM T: (850)479-3004 F: (850)474-1602

Diagnosis

Resample at the next service interval to monitor.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.

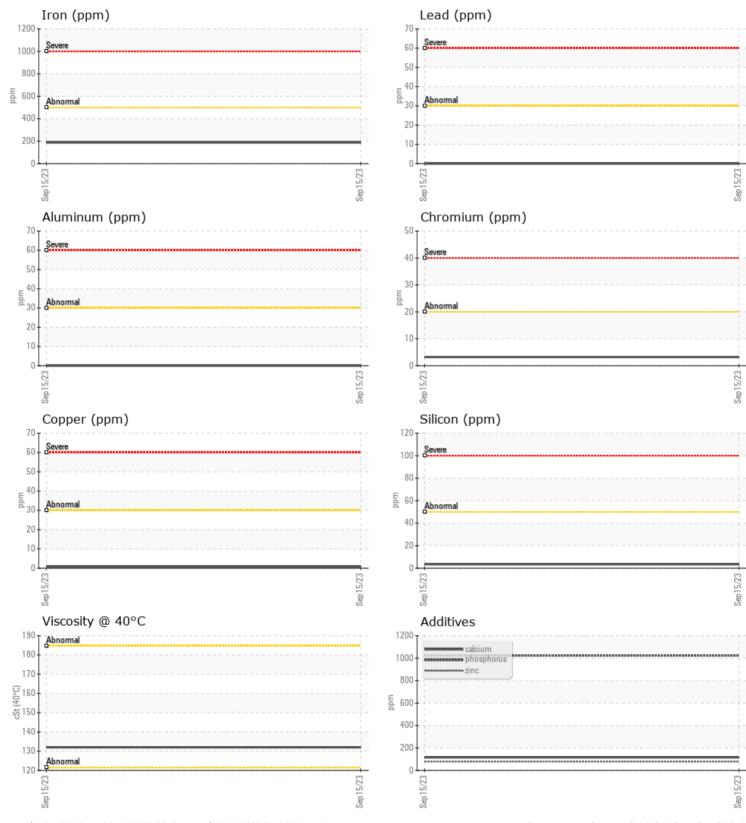
Depot:	VOLVO8247		
Unique No:	10662699		
Signed:	Wes Davis		
Report Date:	27 Sep 2023		

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8247 [WUSCAR] 05961486 (Generated: 10/11/2023 08:43:11) Rev: 1

Contact/Location: HUGH DOBBS - VOLVO8247