

CONSTRUCTION EQUIPMENT VOLVO A40G 352247 - DROP BOX



Sample No: VCP333617

Oil Type:

VOLVO SUPER GEAR OIL 75W-80-GO102

Job No:

	E INFORMATION			
				-
Sample Number		VCP333617	 	
Sample Date		21 Nov 2022	 	
Machine Hours		5261	 	
Oil Hours		200	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
VOLVO				
OIL CON	IDITION			
Visc @ 40°C	cSt	76.9	 	
	001	10.0		
VOLVO			 	
CONTAI	MINATION			
Silicon	ppm	122	 	
Sodium	ppm	1	 	
Potassium	ppm	 <1	 	
WEAR I	METALS			
PQ	-	4504	 	
Iron	ppm	• 14015	 	
Copper	ppm	A 31	 	
Lead	ppm	 <1	 	
Tin	ppm	0	 	
Aluminum	ppm	10	 	
Chromium	ppm	123	 	
Molybdenum	ppm	7	 	
Nickel	ppm	1 4	 	
Titanium	ppm	2	 	
Silver	ppm	0	 	
Manganese	ppm	136	 	
Vanadium	ppm	<1	 	
	VES		 	
Calcium	ppm	43	 	
Magnesium	ppm	11	 	
Zinc	ppm	13	 	
Phosphorus	ppm	1050	 	
Barium	ppm		 	
Boron	ppm	105	 	
DOIOII	ppill			_



STRONGCO EQUIPMENT-EDMONTON

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Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition.Chromium and iron ppm levels are severe. PQ levels are severe. Nickel and copper ppm levels are abnormal. Gear wear is indicated. Bearing and/or bushing wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring. High concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

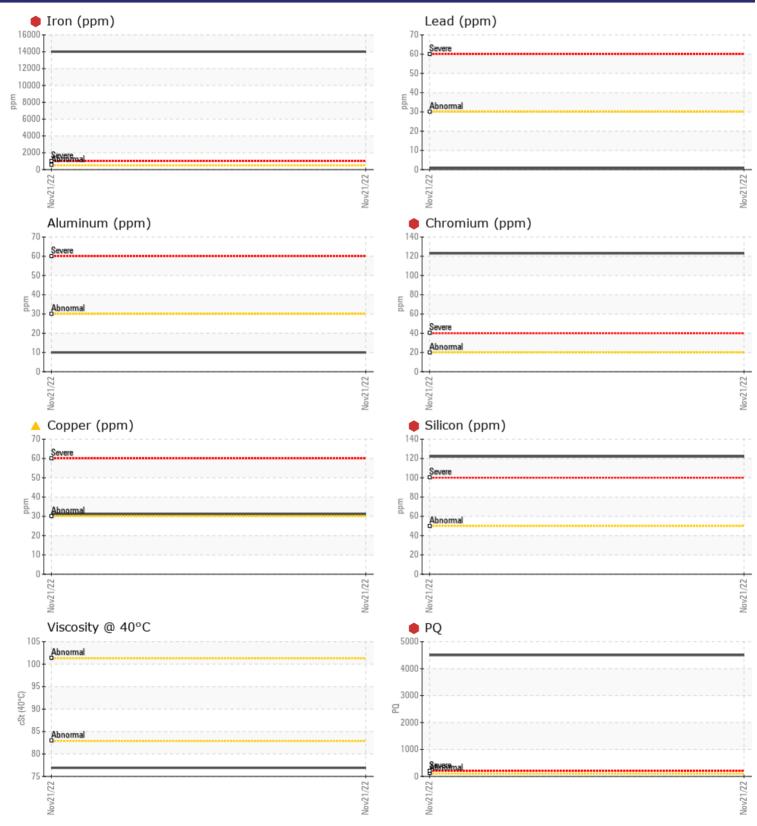
Depot:	VOLVO3908		
Unique No:	5498854		
Signed:	Kevin Marson		
Report Date:	01 Dec 2022		

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO3908 [WCAMIS] 02525856 (Generated: 09/28/2023 10:52:09) Rev: 1

Contact/Location: Jonathan Morton - VOLVO3908