CONSTRUCTION EQUIPMENT 594089 DIPRO VOLVO L220 3352 - HYDRAULIC SYSTEM

Sample No:VCP411897Oil Type:VOLVO SUPER HYDRAULIC OIL 46

VOIN

Job No:

594089 DIPRO

vo		
∕∕	SAMPLE INFORMATION	

Sample Number	VCP411897	VCP421773	VCP380942	VCP388945
Sample Date	14 Aug 2023	22 Mar 2023	13 Dec 2022	04 Aug 2022
Machine Hours	6368	4140	2544	955
Oil Hours	2000	4140	2544	955
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL
OIL CONDITION				
Visc @ 40°C cSt	<b>43.0</b>	41.5	42.1	42.8
Acid Number (AN) mg KOH/g	0.42	0.38	0.33	0.33
VOLVO				

CONTAI	MINATION				
Water	%	<b>A</b> 0.115			
Particles >4µm				38592	
Particles >6µm				<b>11075</b>	
Particles >14µm				<b>1</b> 017	
ISO 4406:1999 (c	:)			22/21/17	
Silicon	ppm		1	□ <1	<1
Sodium	ppm	2	1	<1	0
Potassium	ppm	0	<b></b> <1	0	1

VOLVO

WEAR N	METALS					
Iron	ppm	<b>4</b>	4	3	2	
Copper	ppm	<b>1</b>	2	2	2	
Lead	ppm	0	0	1	< 1	
Tin	ppm	0	0	0	<1	
Aluminum	ppm	□<1	0	0	< 1	
Chromium	ppm	<b>1</b>	2	<b></b> <1	0	
Molybdenum	ppm	0	0	0	0	
Nickel	ppm	0	0	0	0	
Titanium	ppm	0	0	0	0	
Silver	ppm	0	0	0	0	
Manganese	ppm	□ <1	0	0	0	
Vanadium	ppm	0	0	0	0	

VOLVO

ADDITI	VES				
Calcium	ppm	29	58	60	63
Magnesium	ppm	0	2	0	<b></b> <1
Zinc	ppm	480	424	441	438
Phosphorus	ppm	384	322	354	332
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0



ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

## Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO2990

 Unique No:
 10616761

 Signed:
 Don Baldridge

 Report Date:
 24 Aug 2023

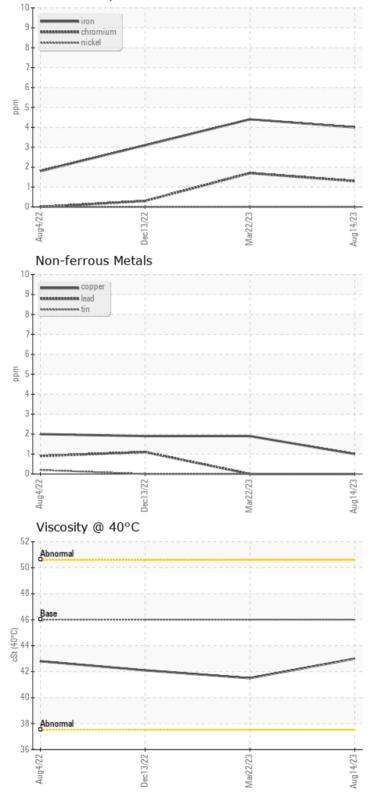
## **CONSTRUCTION EQUIPMENT**

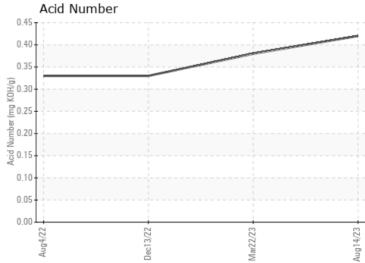




## Ferrous Alloys

VOLVO





Report Id: VOLVO2990 [WUSCAR] 05931490 (Generated: 08/24/2023 11:18:38) Rev: 1