CONSTRUCTION EQUIPMENT SW1022899 RENTAL VOLVOL110H 632260 - DIESEL ENGINE

Sample No: VCP414454

VOIN

Oil Type: DIESEL ENGINE OIL SAE 15W40 SW1022899 RENTAL

Job No:

	NFORMATION			
Sample Number		VCP414454	 	
Sample Date		23 Aug 2023	 	
Machine Hours		1654	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	13.7	 	
Base Number (BN)	mg KOH/g	6.8	 	
Oxidation (PA)	%	92	 	
CONTAMI	NATION			
Soot %	%	1.3	 	
Nitration (PA)	%	97	 	
Sulfation (PA)	%	67	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	14	 	

ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.The aluminum level is abnormal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Potassium

ppm

ppm

5

4

Sodium

VOLVO				
🛛 🧹 WEAR I	METALS			
Iron	ppm	68	 	
Copper	ppm	29	 	
Lead	ppm	6	 	
Tin	ppm	6	 	
Aluminum	ppm	6 50	 	
Chromium	ppm	4	 	
Molybdenum	ppm	37	 	
Nickel	ppm		 	
Titanium	ppm	 <1	 	
Silver	ppm	□<1	 	
Manganese	ppm	3	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	1351					
Magnesium	ppm	431					
Zinc	ppm	936					
Phosphorus	ppm	731					
Barium	ppm	5					
Boron	ppm	22					

Depot: VOLVO6174 Unique No: 10622183 Signed: Don Baldridge Report Date: 30 Aug 2023

Report Id: VOLVO6174 [WUSCAR] 05936912 (Generated: 08/30/2023 12:07:05) Rev: 1

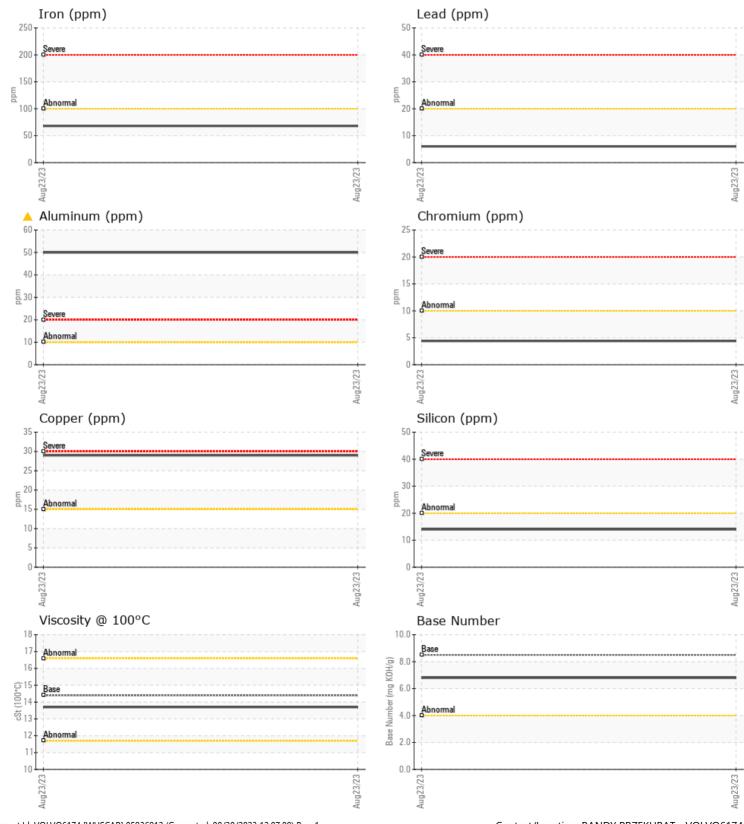
Contact/Location: RANDY PRZEKURAT - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: RANDY PRZEKURAT - VOLVO6174