CONSTRUCTION EQUIPMENT

SW1020418 KALAMAZOO VOLVO A45G 353306 - DIESEL ENGINE

Sample No: VCP406938

VOLVO

Oil Type: DIESEL ENGINE OIL SAE 15W40 Job No: SW1020418 KALAMAZOO

VOLVO	-
	17

SAMPLE II	NFORMATION			
Sample Number	-	VCP406938	 	
Sample Date		03 Jul 2023	 	
Machine Hours		2173	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.4	 	
Base Number (BN)	mg KOH/g	7.2	 	
Oxidation (PA)	%	67	 	
CONTAMI	NATION	_		
Soot %	%	0.6	 	
Nitration (PA)	%	79	 	
Sulfation (PA)	%	65	 	
Glycol	%	NEG	 	



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. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. No other contaminants were detected 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 1

%

ppm

ppm

ppm

3.1

6

2

■ <1

Fuel

Silicon

Sodium

VOLVO				
WEAR N	METALS			
Iron	ppm	1 6	 	
Copper	ppm	56	 	
Lead	ppm	 <1	 	
Tin	ppm	2	 	
Aluminum	ppm	3	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	38	 	
Nickel	ppm	5	 	
Titanium	ppm	□<1	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	

ADDITIVES					
Calcium	ppm	1437			
Magnesium	ppm	685			
Zinc	ppm	1087			
Phosphorus	ppm	926			
Barium	ppm	0			
Boron	ppm	93			

Depot: VOLVO6174 Unique No: 10551707 Signed: Doug Bogart Report Date: 13 Jul 2023

Report Id: VOLVO6174 [WUSCAR] 05895897 (Generated: 07/13/2023 22:50:27) Rev: 1

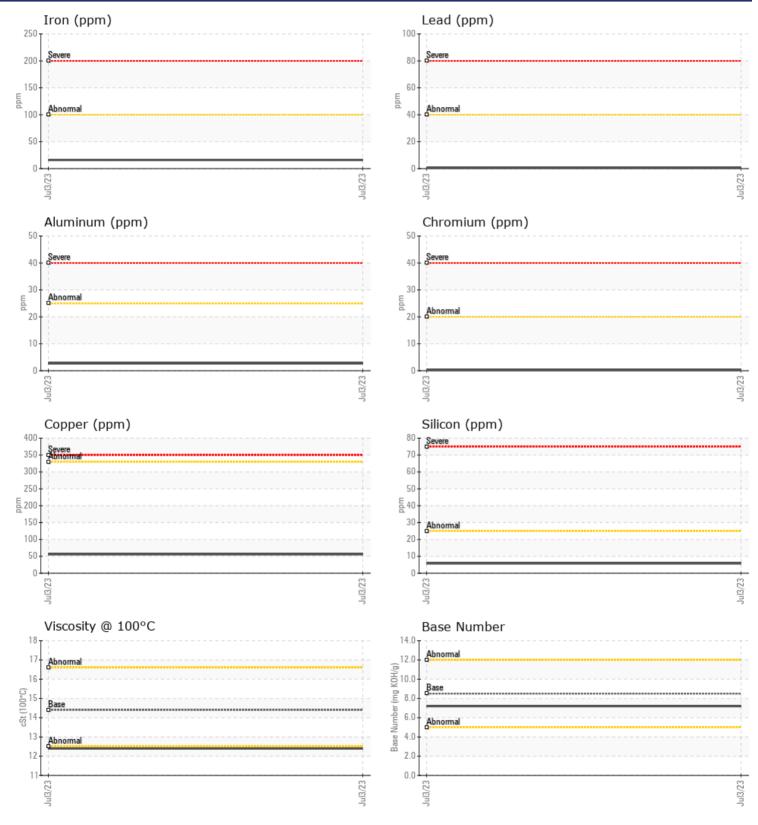
Contact/Location: RANDY PRZEKURAT - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: RANDY PRZEKURAT - VOLVO6174