CONSTRUCTION EQUIPMENT SW1023087 JJ SPRAGUE VOLVO L150H 7118 - DIESEL ENGINE

Sample No:VCP417485Oil Type:DIESEL ENGINE OIL SAE 15W40

Job No: SW1023087 JJ SPRAGUE

VOI N

VOLVO				
	NFORMATION			
Sample Number	-	VCP417485	VCP369009	
Sample Date		22 Aug 2023	26 Apr 2023	
Machine Hours		1407	626	
Oil Hours		0	0	
Oil Changed		Changed	Not Changd	
Sample Status		ABNORMAL	ABNORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	11.1	1 1.2	
Base Number (BN)	mg KOH/g	4.8	4.7	
Oxidation (PA)	%	70	59	
CONTAMI	NATION			
Soot %	%	0.3	0.2	
Nitration (PA)	%	78	74	
Sulfation (PA)	%	63	51	
Glycol	%	NEG	0.0	
Fuel	%	<1.0	0.5	
Silicon	ppm	25	25	
Sodium	ppm	5	2	
Potassium	ppm	6	3	
VOLVO				

WFAR METALS

	METAL3			
Iron	ppm	22	14	
Copper	ppm	<u> </u>	427	
Lead	ppm	6	4	
Tin	ppm	4	3	
Aluminum	ppm	3	2	
Chromium	ppm		0	
Molybdenum	ppm	85	89	
Nickel	ppm	1	0	
Titanium	ppm	 <1	0	
Silver	ppm	0	0	
Manganese	ppm	4	3	
Vanadium	ppm	<1	0	

Vanaulu

ADDITIVES						
Calcium	ppm	2199	2297			
Magnesium	ppm	103	27			
Zinc	ppm	1285	1298			
Phosphorus	ppm	1015	1018			
Barium	ppm	0	0			
Boron	ppm	17	4 6			



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. Resample at the next service interval to monitor.The copper level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO6174

 Unique No:
 10622184

 Signed:
 Don Baldridge

 Report Date:
 30 Aug 2023

Report Id: VOLVO6174 [WUSCAR] 05936913 (Generated: 08/30/2023 12:05:04) Rev: 1

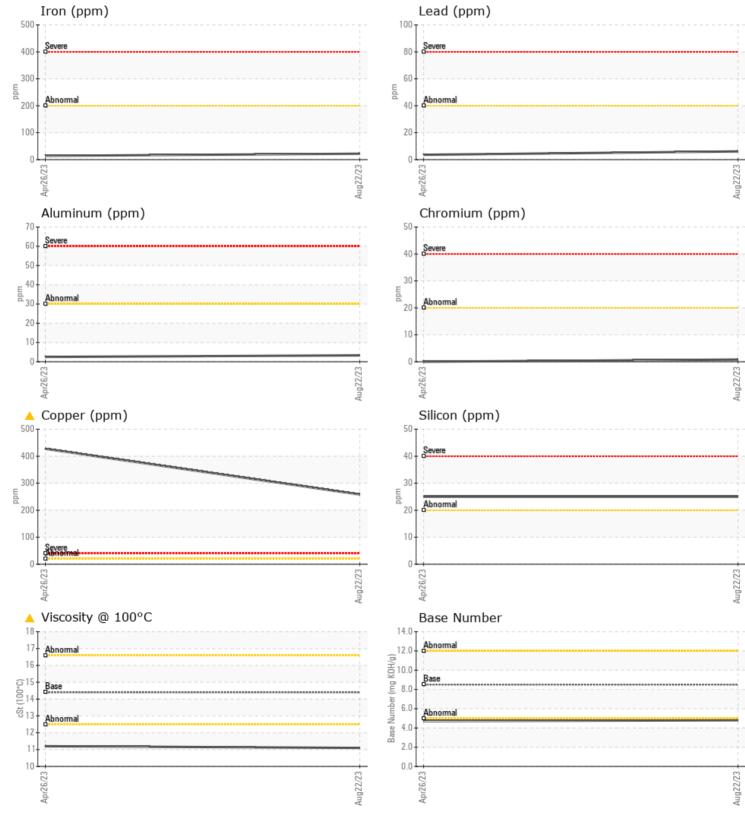
Contact/Location: RANDY PRZEKURAT - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: RANDY PRZEKURAT - VOLVO6174