

SW1027988 DIAMOND MA VOLVO A40D 12032 - DIESEL ENGINE

Sample No: VCP412914

VOLVO

Oil Type: DIESEL ENGINE OIL SAE 15W40 Job No: SW1027988 DIAMOND MA

SAMPLE INFORMATION

Sample Number	VCP412914	 	
Sample Date	03 Jan 2024	 	
Machine Hours	6905	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	
VOLVO			
OIL CONDITION			
Visc @ 100°C cSt	13.8	 	
Base Number (BN) mg KOH/g	5.9	 	
Oxidation (PA) %	54	 	
VOLVO			
Water %	NEG	 	-

Water	%	NEG	 	
Soot %	%	A 3.2	 	
Nitration (PA)	%	75	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	8	 	
Potassium	ppm	■12	 	

WFAR METAL

WLAK I	METALS			
Iron	ppm	25	 	
Copper	ppm	1	 	
Lead	ppm	1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	62	 	
Nickel	ppm	 <1	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	■<1	 	
Vanadium	ppm	<1	 	

ADDITIVES						
Calcium	ppm	1256				
Magnesium	ppm	758				
Zinc	ppm	1214				
Phosphorus	ppm	1050				
Barium	ppm	0				
Boron	ppm	1 7				



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. Light concentration of carbon/soot present in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VOLVO6174

 Unique No:
 10836670

 Signed:
 Angela Borella

 Report Date:
 23 Jan 2024

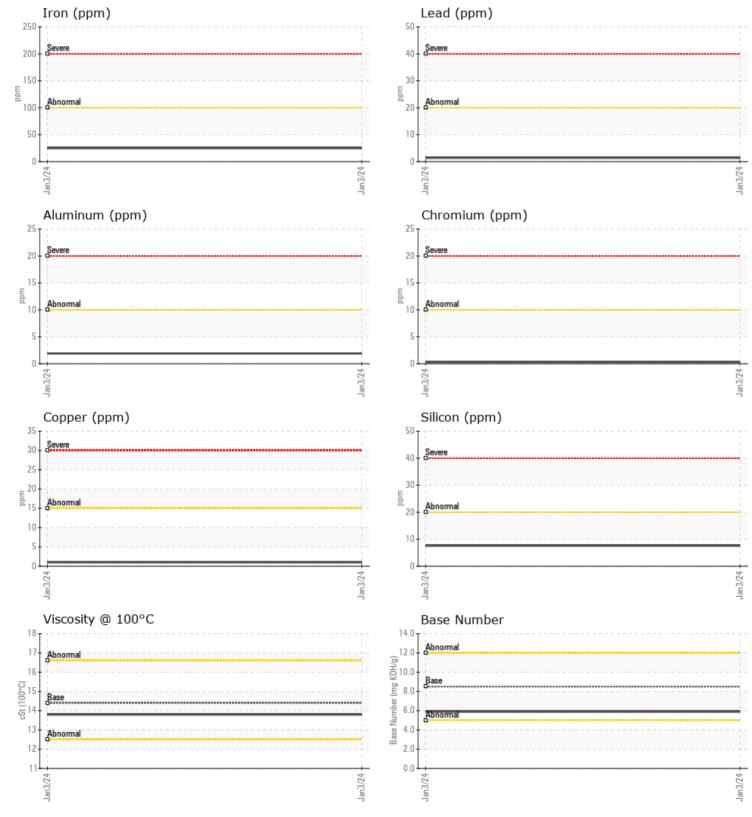
Contact/Location: RANDY PRZEKURAT - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: RANDY PRZEKURAT - VOLVO6174