CONSTRUCTION EQUIPMENT 688548 ARROW IND WIO CONVEYOR 7233843 - DIESEL ENGINE

Sample No: VCP438007

VOLVO

Oil Type:VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3Job No:688548 ARROW IND

VCP438007

SAMPLE INFORMATION

Sample Number

Sample Number		VCP438007	 	
Sample Date		19 Mar 2024	 	
Machine Hours		937	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	11.76	 	
Base Number (BN)	mg KOH/g	6.9	 	
Oxidation (PA)	%	94	 	
CONTAMI				
		÷	 -	_
Water	%			
	70	NEG	 	
Soot %	%	NEG	 	
Soot % Nitration (PA)				
	%	0.5	 	
Nitration (PA)	% %	0.5 103	 	
Nitration (PA) Sulfation (PA)	% % %	0.5 103 66	 	
Nitration (PA) Sulfation (PA) Glycol	% % % %	0.5 103 66 NEG	 	
Nitration (PA) Sulfation (PA) Glycol Fuel	% % % %	0.5 103 66 NEG 2.7	 	

WEAR METALS

WEAR I	METALS			
Iron	ppm	82	 	
Copper	ppm	29	 	
Lead	ppm	1	 	
Tin	ppm	0	 	
Aluminum	ppm	7	 	
Chromium	ppm	2	 	
Molybdenum	ppm	95	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	1750					
Magnesium	ppm	351					
Zinc	ppm	1187					
Phosphorus	ppm	811					
Barium	ppm	5					
Boron	ppm	🛑 139					



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

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

 Depot:
 VOLVO2990

 Unique No:
 10949727

 Signed:
 Wes Davis

 Report Date:
 08 Apr 2024

Report Id: VOLVO2990 [WUSCAR] 06130262 (Generated: 04/08/2024 10:25:11) Rev: 1

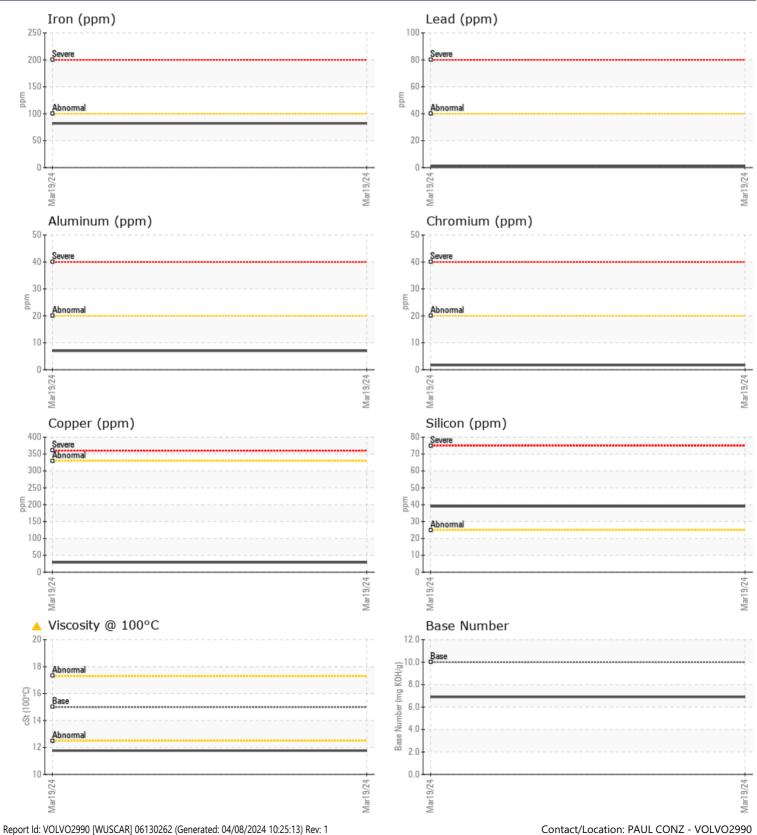
Contact/Location: PAUL CONZ - VOLVO2990

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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