CONSTRUCTION EQUIPMENT 7200 IMERYS REFRAC VOLVO L 1 10H 632520 - DIESEL ENGINE

Sample No: VCP449130

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

7200 IMERYS REFRAC

SAMPLE INFORMATION VCP449130 Sample Number VCP422906 Sample Date 13 Dec 2023 15 Jun 2023 Machine Hours 1051 485 Oil Hours 0 0 Changed Oil Changed Changed ABNORMAL Sample Status ABNORMAL **OIL CONDITION** Visc @ 100°C cSt 13.1 12.7 Base Number (BN) mg KOH/g 10.2 10.0 Oxidation (PA) 79 % 76 CONTAMINATION NEG % NEG Water Soot % % 0.4 0.4 Nitration (PA) 62 58 %

INITIATION (PA)	70	02	20	
Sulfation (PA)	%	60	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	9	14	
Sodium	ppm	2	5	
Potassium	ppm		2	

WFAR METALS

WEAR I	METALS			
Iron	ppm	1 9	30	
Copper	ppm	5	11	
Lead	ppm	■ <1	2	
Tin	ppm	2	3	
Aluminum	ppm	1 4	6 0	
Chromium	ppm	2	5	
Molybdenum	ppm	44	43	
Nickel	ppm	0	0	
Titanium	ppm	<1	0	
Silver	ppm		<1	
Manganese	ppm	1	2	
Vanadium	ppm	0	0	

ADDITIVES							
Calcium	ppm	1585	1762				
Magnesium	ppm	565	673				
Zinc	ppm	1130	1256				
Phosphorus	ppm	873	1033				
Barium	ppm	0	0				
Boron	ppm	35	54				



364 - ASCENDUM MACHINERY INC - MACON 4807 HARRISON RD

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The aluminum level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:ASCMACUnique No:10843969Signed:Angela BorellaReport Date:23 Jan 2024

Report Id: ASCMAC [WUSCAR] 06067292 (Generated: 01/23/2024 15:59:47) Rev: 1

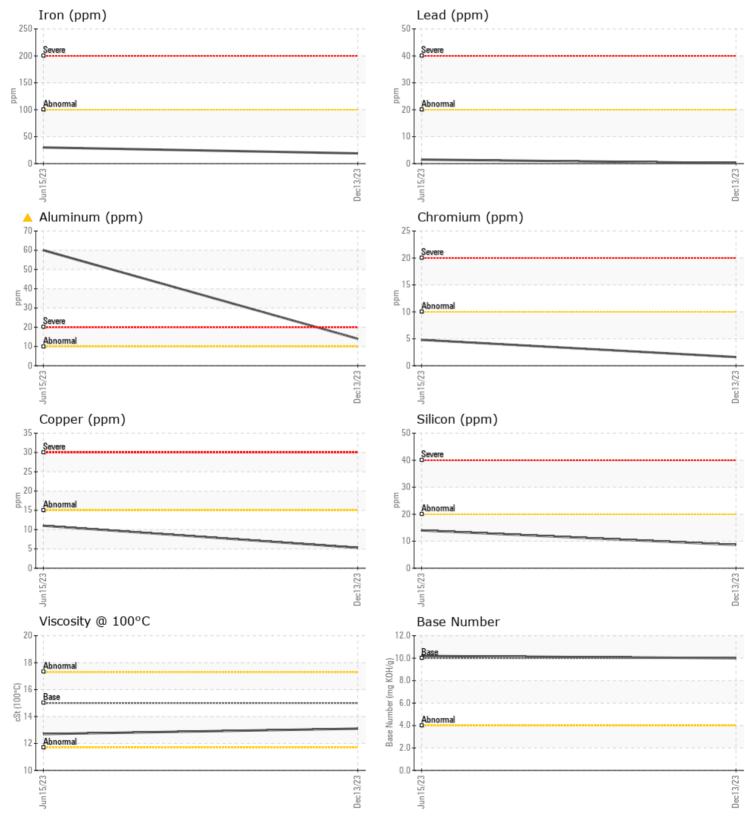
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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