VOLVO

CONSTRUCTION EQUIPMENT X59741 ELGIN PELICAN NP42773 - DIESEL ENGINE



Sample No: VCP437267

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: X59741

VCD427267

SAMPLE INFORMATION

Sample Number		VCP437267	
Sample Date		13 Jun 2024	
Machine Hours		548	
Oil Hours		0	
Oil Changed		Changed	
Sample Status		ABNORMAL	
OIL CONDIT	TION		
Visc @ 100°C	cSt	A 8.8	
Base Number (BN)	mg KOH/g	8.2	
Oxidation (PA)	%	71	

CONTAN	MINATION			
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	77	 	
Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	5 .5	 	
Silicon	ppm	11	 	
Sodium	ppm	5	 	
Potassium	ppm	3	 	

🧭 WEAR METALS

	ML I NLS			
Iron	ppm	54	 	
Copper	ppm	76	 	
Lead	ppm	1 0	 	
Tin	ppm	2	 	
Aluminum	ppm	9	 	
Chromium	ppm	∎1	 	
Molybdenum	ppm	285	 	
Nickel	ppm	2	 	
Titanium	ppm	<1	 	
Silver	ppm	□ <1	 	
Manganese	ppm	5	 	
Vanadium	ppm	<1	 	

ADDITIVES 1499 Calcium ppm 881 Magnesium ppm ppm Zinc 1184 962 Phosphorus ppm Barium 6 🔲 ppm 234 Boron ppm



SCOTT EQUIPMENT COMPANY LLC - Saint Rose

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Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Metal levels are typical for a new component breaking in. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. 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 oil is no longer serviceable due to the presence of contaminants.

Depot:SCOSAIUnique No:11085927Signed:Wes DavisReport Date:20 Jun 2024

Report Id: SCOSAI [WUSCAR] 06213063 (Generated: 06/21/2024 19:12:22) Rev: 1

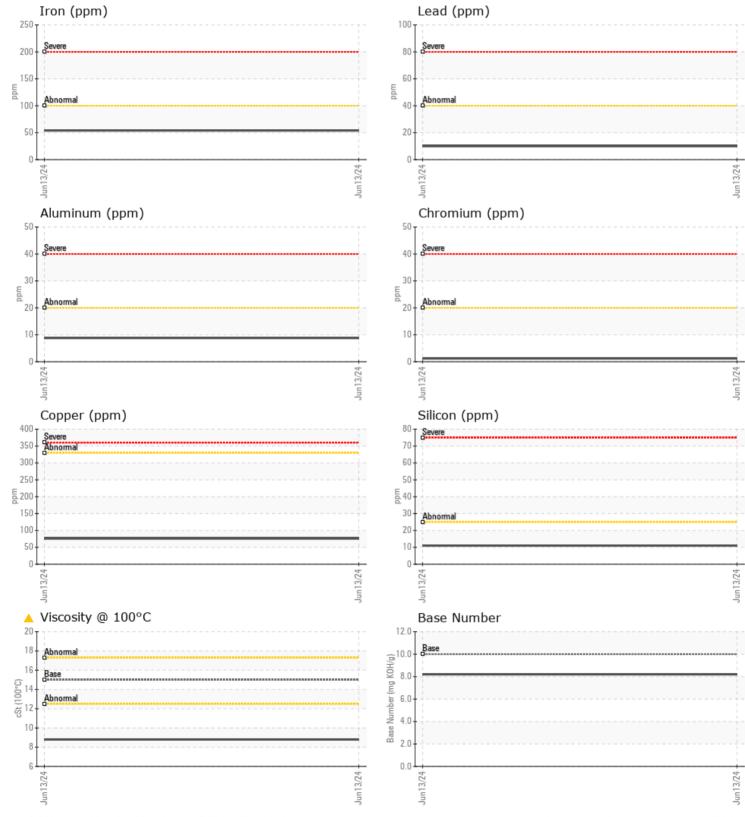
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: DANA FOSHEE - SCOSAI