VOLVO

CONSTRUCTION EQUIPMENT RS0-038028 HITACHI 060320 - DIESEL ENGINE



Sample No:	VCP447625
Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	RSO-038028

SAMPLE INFORMATION

Sample Number	-	VCP447625	 	
Sample Date		10 May 2024	 	
Machine Hours		270	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	∎13.1	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	45	 	
CONTAMIN	ATION			
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	55	 	

Nitration (PA)	%	55	 	
Sulfation (PA)	%	45	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	17	 	
Sodium	ppm	1	 	
Potassium	ppm	5	 	

WEAR METALS

WEAR I	METALS			
Iron	ppm	24	 	
Copper	ppm	8	 	
Lead	ppm	1	 	
Tin	ppm	2	 	
Aluminum	ppm	3	 	
Chromium	ppm		 	
Molybdenum	ppm	3	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	<1	 	
Silver	ppm		 	
Manganese	ppm	5	 	
Vanadium	mag	<1	 	

ADDITIVES Calcium 2229 ppm Magnesium 21 ppm Zinc ppm 1222 Phosphorus 1032 ppm Barium ppm 0 🔲 183 Boron ppm



SAIIA CONSTRUCTION LLC

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Diagnosis

Resample at the next service interval to monitor.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. The condition of the oil is acceptable for the time in service.

Depot:SAIBIRUnique No:11035294Signed:Sean FeltonReport Date:21 May 2024

Report Id: SAIBIR [WUSCAR] 06183968 (Generated: 05/21/2024 14:56:01) Rev: 1

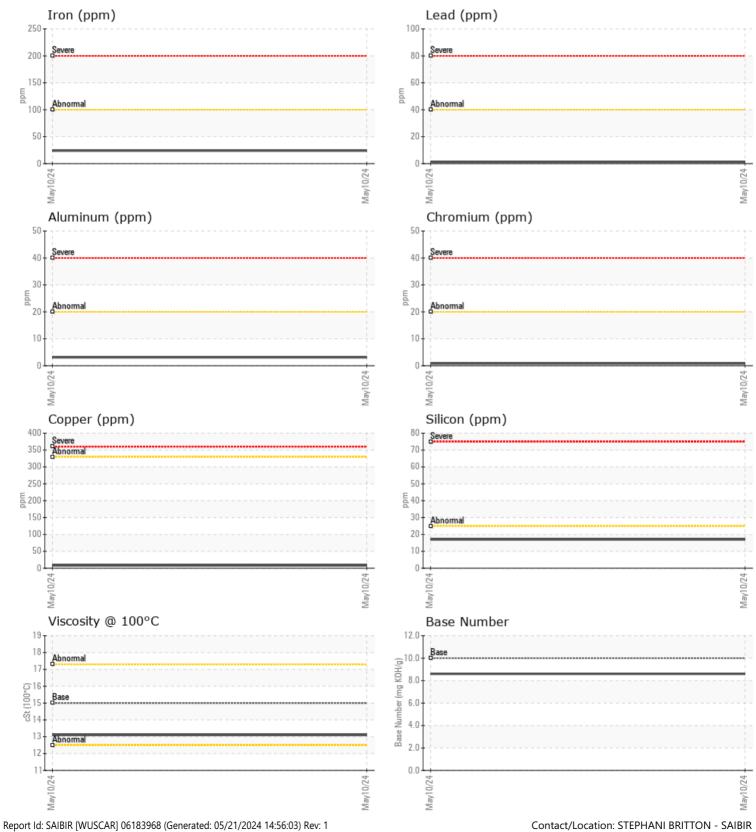
Contact/Location: STEPHANI BRITTON - SAIBIR

CONSTRUCTION EQUIPMENT



GRAPHS

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