CONSTRUCTION EQUIPMENT VOLVO A25G 752684 - DIESEL ENGINE X13679



Sample No: VCP399219

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	X13679

SAMPLE INFORMATION Sample Number VCP399219 Sample Date 28 Nov 2023 Machine Hours 1192 Oil Hours 1192 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.7** Base Number (BN) mg KOH/g 5.4 Oxidation (PA) % 67 CONTAMINATION NEG % Water Soot % % 0.3 83 Nitration (PA) %

Sulfation (PA)	%	62	 	
Glycol	%	NEG	 	
Fuel	%	0.1	 	
Silicon	ppm	A 36	 	
Sodium	ppm	3	 	
Potassium	ppm	5	 	

VEAD METALS

Iron	ppm	39	 	
Copper	ppm	258	 	
Lead	ppm	0	 	
Tin	ppm	3	 	
Aluminum	ppm	3	 	
Chromium	ppm		 	
Molybdenum	ppm	98	 	
Nickel	ppm	4	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	5	 	
Vanadium	ppm	0	 	

ADDITIVES 2378 Calcium ppm 99 Magnesium ppm Zinc 1306 ppm 1051 Phosphorus ppm Barium 2 ppm 30 Boron ppm



Unique No: Signed:

Jonathan Hester 08 Dec 2023



US 70518 Contact: ADAM FEIRMAN afeirman@scottcompanies.com T: (337)837-2907 F: (337)837-5116

Diagnosis

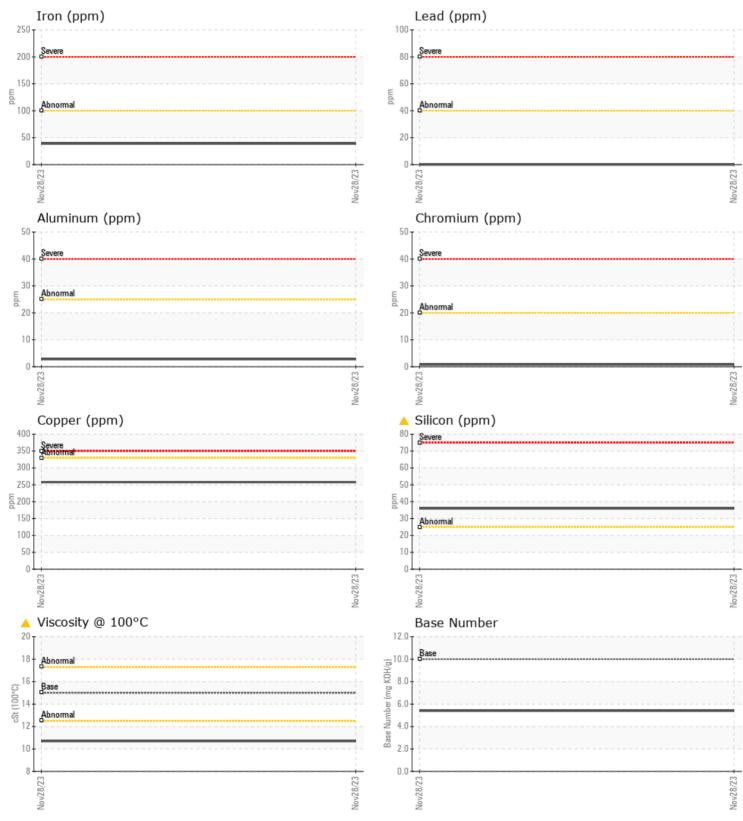
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: ADAM FEIRMAN - VOLVO6241