VOLVO

CONSTRUCTION EQUIPMENT 433 SAKAI 3SV24-40188 - DIESEL ENGINE



Sample No:VCP413619Oil Type:SHELL ROTELLA T 15W40

433

Job No:

Sample Number

Sample Number		VCP413619		
Sample Date		27 Oct 2023		
Machine Hours		2600		
Oil Hours		500		
Oil Changed		Changed		
Sample Status		ABNORMAL		
OIL CONDITION				
Visc @ 100°C	cSt	14.2		
Base Number (BN)	mg KOH/g	5.9		

ppm

ppm

Base Number (BN)mg KOH/gOxidation (PA)%

CONTAM	IINATION		
Soot %	%	0.8	
Nitration (PA)	%	96	
Sulfation (PA)	%	70	
Glycol	%	NEG	
Fuel	%	<1.0	
Silicon	ppm	A 25	

81

|| <1

8

Potassium

Sodium

WEAR METALS 35 Iron ppm 2 Copper ppm Lead 2 ppm 0 Tin ppm Aluminum ppm 4 Chromium ppm 1 Molybdenum 40 ppm Nickel ppm **||** <1 Titanium 0 ppm Silver 0 ppm Manganese ppm 0 Vanadium 0 ppm

ADDITIVES Calcium 2291 ppm Magnesium 115 ppm **1256** Zinc ppm Phosphorus 913 ppm Barium 0 🔲 ppm 58 Boron ppm



TOTAL DEVELOPMENT SOLUTIONS LLC

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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:
 TOTGAI

 Unique No:
 10735818

 Signed:
 Sean Felton

 Report Date:
 10 Nov 2023

Report Id: TOTGAI [WUSCAR] 06002056 (Generated: 11/12/2023 17:07:25) Rev: 1

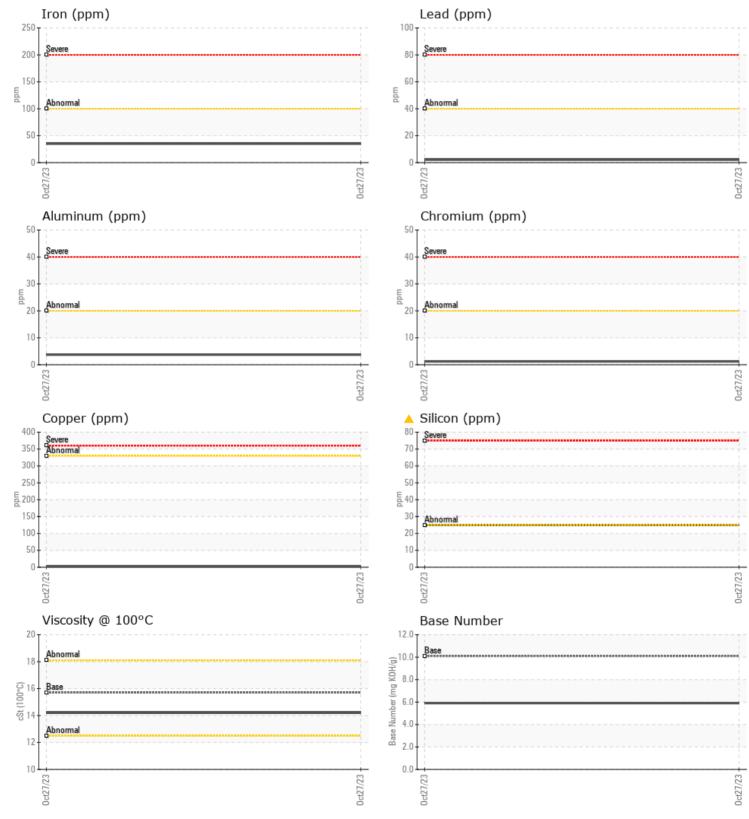
Contact/Location: JOE SEALE - TOTGAI

CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: JOE SEALE - TOTGAI