

CONSTRUCTION EQUIPMENT

UNITED RENTALS TAKEUCHI TB290 185105689 - DIESEL ENGINE

Sample No: VCP421364

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

Job No: UNITED RENTALS

SAMPLE INFORMATION					
Sample Number		VCP421364			
Sample Date		06 Nov 2023			
Machine Hours		3597			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
Sample Status		ADNORIVIAL			
VOLVO					
OIL CONDITION					
Visc @ 100°C	cSt	18.3			
Base Number (BN)	mg KOH/g	10.4			
Oxidation (PA)	%	161			
VOLVO	IATION				
CONTAMIN					
Soot %	%	1.7			
Nitration (PA)	%	170			
Sulfation (PA)	%	96			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	<u></u> 60			
Sodium	ppm	■3			
Potassium	ppm	■<1			
WEAR ME	7117				
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Iron	ppm	<u> </u>			
Copper	ppm	■8			
Lead	ppm	■1			
Tin	ppm	■ <1			
Aluminum	ppm	<u>▲</u> 37			
Chromium	ppm	12			
Molybdenum	ppm	■ 69			
Nickel	ppm	2			
Titanium	ppm	<1			
Silver	ppm	■ 0			
Manganese	ppm	2			
Vanadium	ppm	0			



ALTA EQUIPMENT COMPANY

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Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Cylinder, crank, or cam shaft wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VOLVO0090Unique No:10737065Signed:Don BaldridgeReport Date:13 Nov 2023

2306

605

1751

1356

0

10

ADDITIVES

ppm

ppm ppm

ppm

ppm

ppm

Calcium

Zinc Phosphorus

Barium

Boron

Magnesium



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