

CONSTRUCTION EQUIPMENT

SW00068541 TAKEUCHI TL12V2-CRR 412003313 - DIESEL ENG

Sample No: VCP429356

Oil Type: DIESEL ENGINE OIL SAE 30

Job No: SWO0068541

SAMPLE II	NFORMATION			
Sample Number		VCP429356	 	
Sample Date		09 Jan 2024	 	
Machine Hours		2353	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
Sample Status		ADNOMIAL		
VOLVO	=			
OIL CONDI	TION			
Visc @ 100°C	cSt	11.9	 	
Base Number (BN)	mg KOH/g	10.0	 	
Oxidation (PA)	%	80	 	
CONTAMIN	NATION			
_		NEC	 	
Water Soot %	%	NEG		
	%	■ 0.1	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG ▲ 3.5	 	
Fuel Silicon	%		 	
	ppm	<u>A</u> 30	 	
Sodium	ppm	4	 	
Potassium	ppm	■ <1	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	104	 	
Copper	ppm	■8	 	
Lead	ppm	■<1	 	
Tin	ppm	■ 3	 	
Aluminum	ppm	▲ 21	 	
Chromium	ppm	7	 	
Molybdenum	ppm	■38	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	O	 	
Manganese	ppm		 	



COWIN EQUIPMENT - ATLANTA

5710 RIVERVIEW RD MABLETON, GA US 30126 Contact: MIKE ANDREWS mandrews@cowin.com T: (404)690-7210 F:

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor. Cylinder, crank, or cam shaft wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. Light fuel dilution occurring. 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:COWMABUnique No:10823682Signed:Don BaldridgeReport Date:14 Jan 2024

1533

483

■ 1064 ■ 816

0

43

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ADDITIVES



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