**CONSTRUCTION EQUIPMENT** 465332 TAKEUCHI TL 12R2 412105337 - DIESEL ENGINE

Sample No:	VCP455204
Oil Type:	DIESEL ENGINE OIL SAE 15W40
Job No:	465332

VOLVO

## SAMPLE INFORMATION Sample Number VCP455204 Sample Date 29 Apr 2024 Machine Hours 247 Oil Hours 0 N/A Oil Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 9.1 Base Number (BN) mg KOH/g 10.0 Oxidation (PA) 37 % CONTAMINATION NEG Water % % Soot % 0.5 Nitration (PA) % 74 % 43 Sulfation (PA) Glycol % NEG Fuel % 1.9 Silicon ppm 25 Sodium ppm 4 ppm **140**

Potassium

WEAR I	METALS			
Iron	ppm	45	 	
Copper	ppm	25	 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	4	 	
Chromium	ppm		 	
Molybdenum	ppm	148	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITI	VES			
Calcium	ppm	2796	 	
Magnesium	ppm	23	 	
Zinc	ppm	563	 	
Phosphorus	ppm	465	 	
Barium	ppm	4	 	
Boron	ppm	<b>116</b>	 	



## ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Sodium and/or potassium levels are high. Fuel content negligible. Test for glycol is negative. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO0090 Unique No: 11006049 Signed: Jonathan Hester Report Date: 05 May 2024

Report Id: VOLVO0090 [WUSCAR] 06165330 (Generated: 05/06/2024 01:10:53) Rev: 1

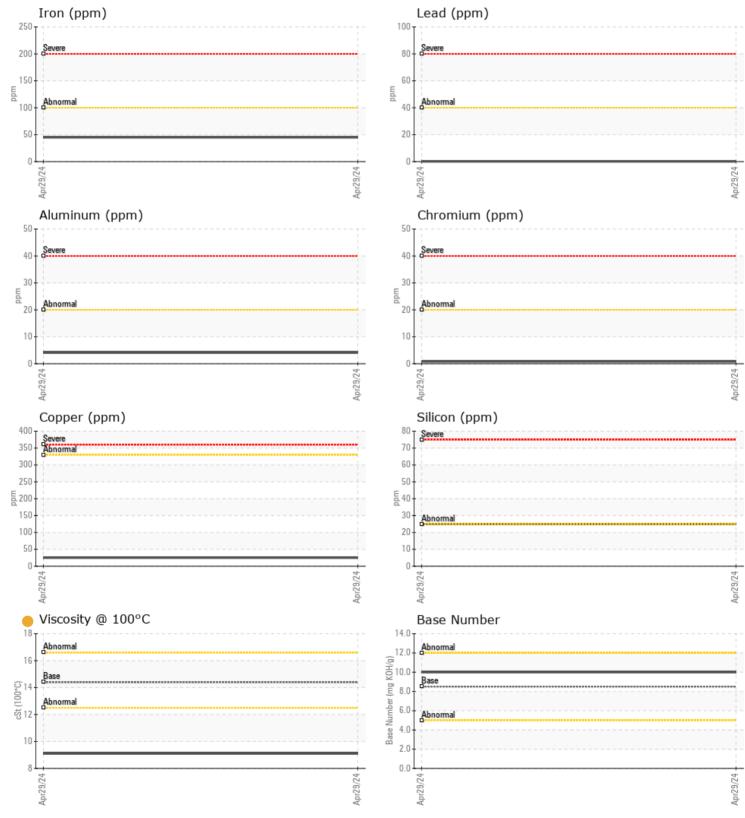
Contact/Location: TODD LARK - VOLVO0090

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: TODD LARK - VOLVO0090