CONSTRUCTION EQUIPMENT 13946 BROOKS TAKEUCHI TL8 200809153 - DIESEL ENGINE

Sample No:VCP447969Oil Type:DIESEL ENGINE OIL SAE 40Job No:13946 BROOKS

SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP447969	VCP300479				
Sample Date		08 Dec 2023	04 Aug 2021				
Machine Hours		384	230				
Oil Hours		0	0				
Oil Changed		Changed	Changed				
Sample Status		NORMAL	NORMAL				
Visc @ 100°C	cSt	12.6	13.5				
Base Number (BN)	mg KOH/g	6.6					
Oxidation (PA)	%	79	63				
VOLVO							
CONTAMINATION							
Water	%	NEG	NEG				
Soot %	%	0.3	0.2				
Nitration (PA)	%	95	79				
Sulfation (PA)	%	58	56				
Glycol	%	NEG	NEG				
Fuel	%	<1.0	<1.0				
Silicon	ppm	6	5				
Sodium	ppm	2	4				
Potassium	ppm	■ <1	2				



WEAR METALS						
Iron	ppm	13	15			
Copper	ppm	7	13			
Lead	ppm	 <1	< 1			
Tin	ppm	0	 <1			
Aluminum	ppm	2	0			
Chromium	ppm	0	□ <1			
Molybdenum	ppm	4 9	82			
Nickel	ppm	0	0			
Titanium	ppm	0	0			
Silver	ppm	0	<1			
Manganese	ppm	■<1	1			
Vanadium	ppm	0	<1			

ADDITIVES						
Calcium	ppm	1396	2152			
Magnesium	ppm	758	174			
Zinc	ppm	906	1199			
Phosphorus	ppm	737	1050			
Barium	ppm	0	 <1			
Boron	ppm	30	74			



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T: F: (804)266-1611

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO8882

 Unique No:
 10790946

 Signed:
 Wes Davis

 Report Date:
 18 Dec 2023

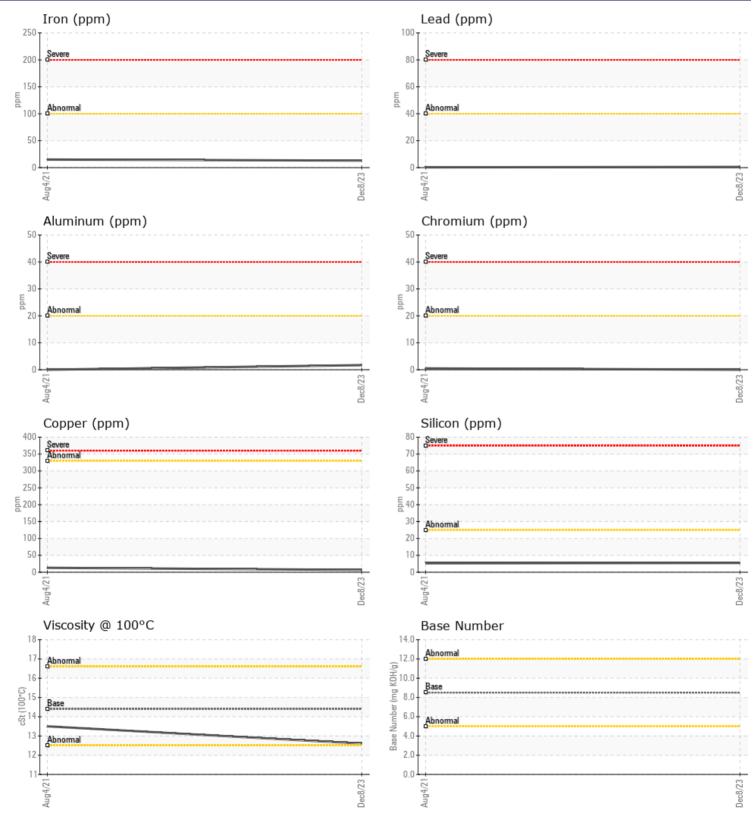
Contact/Location: KYLE RATLIFFE - VOLVO8882

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: KYLE RATLIFFE - VOLVO8882