CONSTRUCTION EQUIPMENT SW-35693-2 RIGID BLD VOLVO A45G 352709 - DIESEL ENGINE

Sample No:VCP454030Oil Type:DIESEL ENGINE OIL SAE 40Job No:SW-35693-2 RIGID BLD

VOLVO

## SAMPLE INFORMATION VCP454030 Sample Number VCP441016 Sample Date 04 Jun 2024 16 Nov 2023 Machine Hours 5343 5110 Oil Hours 0 0 Not Changd Changed Oil Changed NORMAL NORMAL Sample Status **OIL CONDITION** 13.6 Visc @ 100°C cSt 12.6 7.9 Base Number (BN) mg KOH/g 10.1 Oxidation (PA) 65 57 % CONTAMINATION NEG Water % NEG Soot % % 0.2 0.3 Nitration (PA) % 55 65 56 Sulfation (PA) % 55

Junation (I A)	70		55	
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	4	4	 
Sodium	ppm	3	2	 
Potassium	ppm	<b>1</b>	2	 

WEAR METAL

VEAR M	ETALS			
Iron	ppm	<b>4</b>	3	 
Copper	ppm	28	3	 
Lead	ppm	<b>1</b>	<b></b> <1	 
Tin	ppm	■ <1	0	 
Aluminum	ppm	2	2	 
Chromium	ppm	■ <1	0	 
Molybdenum	ppm	48	7	 
Nickel	ppm	0	0	 
Titanium	ppm	9	69	 
Silver	ppm	0	0	 
Manganese	ppm	■ <1	0	 
Vanadium	ppm	<1	<1	 

ADDITIVES							
Calcium	ppm	1375	1638				
Magnesium	ppm	<b>796</b>	437				
Zinc	ppm	1228	1216				
Phosphorus	ppm	<b>1062</b>	929				
Barium	ppm	0	0				
Boron	ppm	31	123				



## ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TONY PAYAN tpayan@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal. 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:
 VOLV08770

 Unique No:
 11071691

 Signed:
 Wes Davis

 Report Date:
 11 Jun 2024

Report Id: VOLVO8770 [WUSCAR] 06204230 (Generated: 06/11/2024 11:31:37) Rev: 1

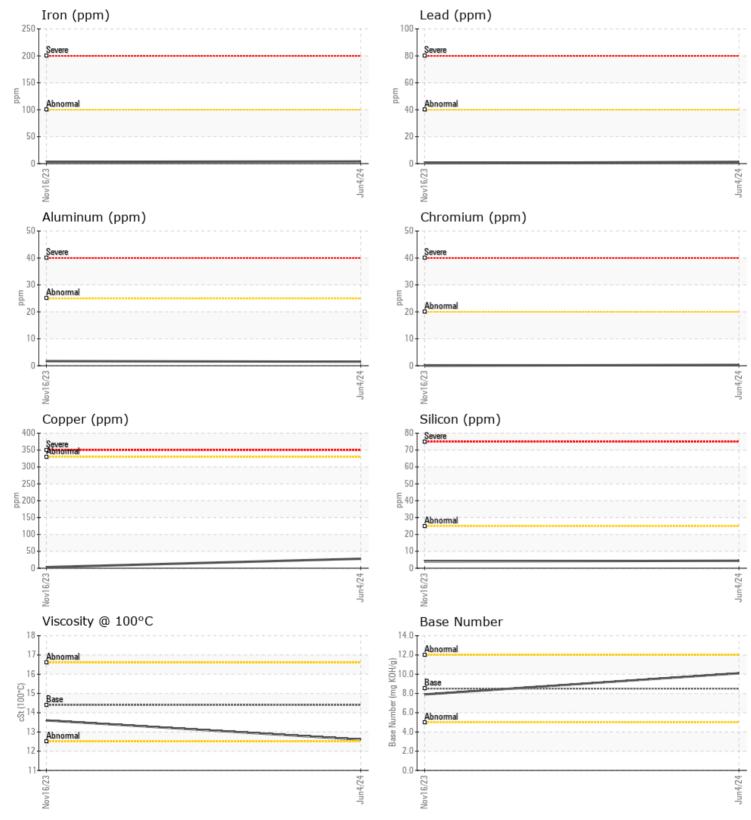
Contact/Location: TONY PAYAN - VOLVO8770

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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