

CONSTRUCTION EQUIPMENT VOLVO A40G 752070 - DIESEL ENGINE



Sample No:VCP437920Oil Type:{unknown}

Job No:

Zinc

Barium

Boron

Phosphorus

SAMPLE IN	FORMATION								
Sample Number	-	VCP437920	VCP429574						
Sample Date		06 Mar 2024	11 Dec 2023						
Machine Hours		1016	511						
Oil Hours		0	0						
Oil Changed		Changed	Changed						
Sample Status		NORMAL	NORMAL						
OIL CONDITION									
Visc @ 100°C	cSt	12.4	10.9						
Base Number (BN)	mg KOH/g	7.8	5.5						
Oxidation (PA)	%	78	57						
CONTAMINATION									
Water	%	NEG	NEG						
Soot %	%	0.2	0.2						
Nitration (PA)	%	73	85						
Sulfation (PA)	%	61	53						
Glycol	%	NEG	NEG						
Fuel	%	<1.0	0.7						
Silicon	ppm	1 0	29						
Sodium	ppm	□ <1	0						
Potassium	ppm	2	7						
WEAR ME	TALS								
Iron	ppm	1 0	15						
Copper	ppm	75	279						
Lead	ppm	□<1	 < 1						
Tin	ppm	1	3						



RIPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: PM Services PMServices@ripaconstruction.com T: F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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 acceptable for the time in service.

Iron		10	15	-				
Iron	ppm							
Copper	ppm	75	279					
Lead	ppm	 <1	<1					
Tin	ppm	1	3					
Aluminum	ppm	2	2					
Chromium	ppm	■ <1	0					
Molybdenum	ppm	51	84					
Nickel	ppm	1	2					
Titanium	ppm	<1	<1					
Silver	ppm	0	0					
Manganese	ppm	<1	2					
Vanadium	ppm	0	0					
ADDITIVES								
Calcium	ppm	1699	2157					
Magnesium	ppm	479	24					

1129

101

< 1

29

Depot:RIPTAMUnique No:10940253Signed:Don BaldridgeReport Date:26 Mar 2024

1161

984

0 🔲

30

ppm

ppm

ppm

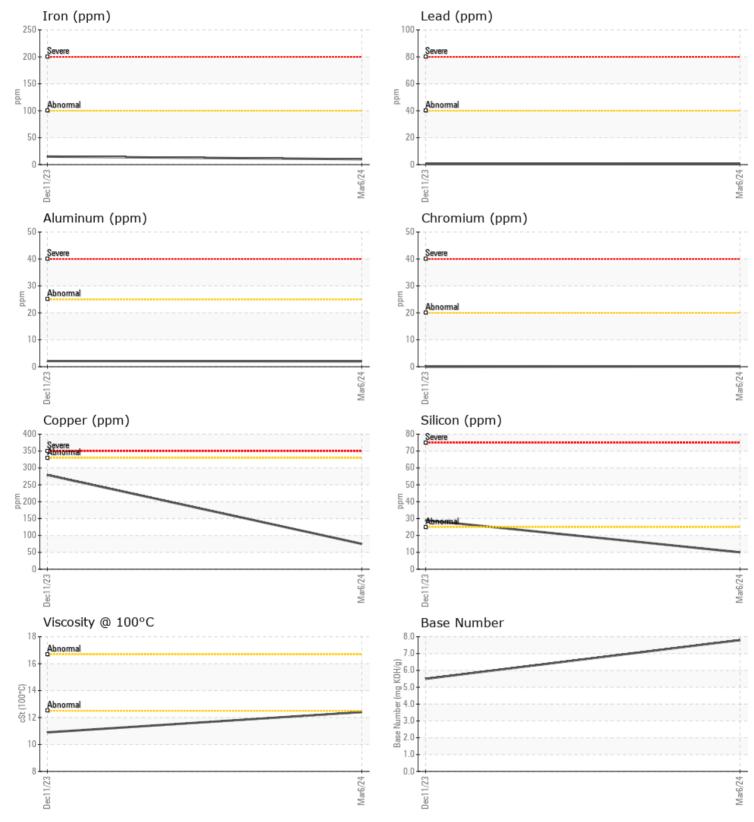
ppm

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: PM Services ? - RIPTAM