CONSTRUCTION EQUIPMENT SW-34024-2 RAMSEY VOLVO A60H 350083 - DIESEL ENGINE

Sample No: VCP395782 Oil Type: VOLVO ULTR/

VOLVO

: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SW-34024-2 RAMSEY

VOLVO				
SAMPLE	INFORMATION			
Sample Number	-	VCP395782	 	
Sample Date		07 May 2024	 	
Machine Hours		12833	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CON	DITION			
Visc @ 100°C	cSt	12.1	 	
Base Number (BN	I) mg KOH/g	7.9	 	
Oxidation (PA)	%	69	 	
CONTAM	INATION			
Water	%	NEG	 	
Soot %	%	0.6	 	
Nitration (PA)	%	70	 	
Sulfation (PA)	%	59	 	
Glycol	%	NEG	 	
Fuel	%	0.8	 	
Silicon	ppm	<mark> 86</mark>	 	
Sodium	ppm	64	 	
Potassium	ppm	<mark> </mark> 41	 	
VOLVO			 	

WEAR I	METALS			
Iron	ppm	74	 	
Copper	ppm	4	 	
Lead	ppm	2	 	
Tin	ppm	2	 	
Aluminum	ppm	0 21	 	
Chromium	ppm	5	 	
Molybdenum	ppm	37	 	
Nickel	ppm	1	 	
Titanium	ppm	1	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	<1	 	

ADDITIVES								
Calcium	ppm	1555						
Magnesium	ppm	561						
Zinc	ppm	1021						
Phosphorus	ppm	948						
Barium	ppm	□ <1						
Boron	ppm	47						

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

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Check for low coolant level. We advise that you check for the source of the coolant leak. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. 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:
 VOLVO8770

 Unique No:
 11031020

 Signed:
 Sean Felton

 Report Date:
 17 May 2024

Report Id: VOLVO8770 [WUSCAR] 06179694 (Generated: 05/17/2024 09:37:48) Rev: 2

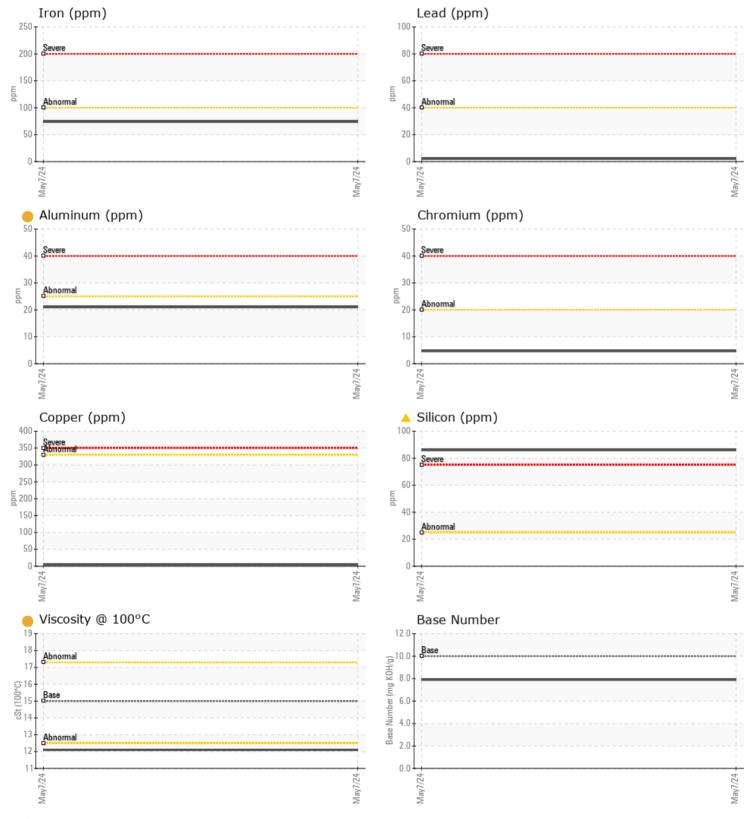
Contact/Location: TONY PAYAN - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: TONY PAYAN - VOLVO8770