CONSTRUCTION EQUIPMENT SW-30264-2 HIGH WEST VOLVO ECR40D 14404 - DIESEL ENGINI

 Sample No:
 VCP324490

 Oil Type:
 VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

 Job No:
 SW-30264-2 HIGH WEST

SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP324490	 	
Sample Date		21 Feb 2024	 	
Machine Hours		584	 	
Oil Hours		584	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI				
	IUN			
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)	mg KOH/g	■8.1	 	
Oxidation (PA)	%	51	 	
CONTAMI				
Water	%	NEG	 	
Soot %	%	■1.2	 	
Nitration (PA)	%	73	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	1 4	 	
Sodium	ppm	4	 	
Potassium	ppm	3	 	

WEAR I	METALS			
Iron	ppm	88	 	
Copper	ppm	1 9	 	
Lead	ppm	 <1	 	
Tin	ppm	1	 	
Aluminum	ppm	10	 	
Chromium	ppm	3	 	
Molybdenum	ppm	44	 	
Nickel	ppm	2	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	

ADDITIVES							
Calcium	ppm	1287					
Magnesium	ppm	735					
Zinc	ppm	1130					
Phosphorus	ppm	889					
Barium	ppm	6					
Boron	ppm	3					



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.All component wear rates are normal. There is no indication of any contamination in the oil. 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:
 10900923

 Signed:
 Don Baldridge

 Report Date:
 29 Feb 2024

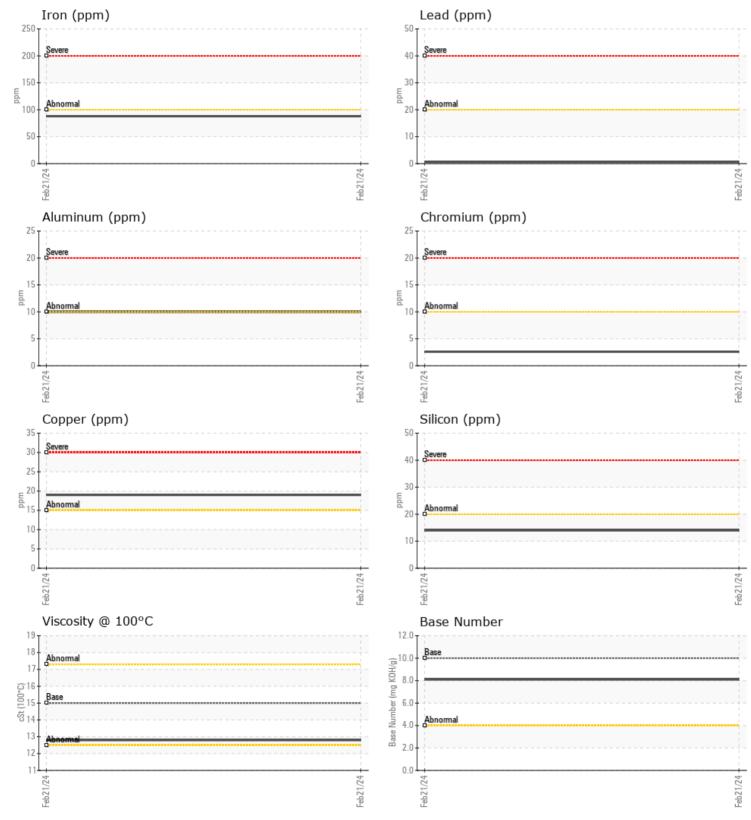
Contact/Location: TONY PAYAN - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06102693 (Generated: 02/29/2024 21:00:04) Rev: 1

Contact/Location: TONY PAYAN - VOLVO8770