CONSTRUCTION EQUIPMENT SPM538832 WHEELER DA VOLVO L90H 626490 - DIESEL ENGINE

Sample No: VCP406927

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: SPM538832 WHEELER DA

SAMPLE INFORMATION

Sample Number	-	VCP406927	VCP397207	
Sample Date		14 Apr 2023	17 Jan 2023	
Machine Hours		1006	460	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI				
		÷		
Visc @ 100°C	cSt	14.6	13.6	
Base Number (BN)	mg KOH/g	7.0	9.0	
Oxidation (PA)	%	77	75	
	IATION	÷		
Soot %	%	0.6	0.4	
Nitration (PA)	%	87	78	
Sulfation (PA)	%	60	58	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	2	14	
Sodium	ppm	3	0	
Potassium	ppm	2	1	

Potassium 1

WEAR N	METALS			
Iron	ppm	34	37	
Copper	ppm	5	9	
Lead	ppm	0	3	
Tin	ppm	2	5	
Aluminum	ppm	8	27	
Chromium	ppm	3	5	
Molybdenum	ppm	69	54	
Nickel	ppm		 <1	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	2	3	
Vanadium	ppm	0	<1	

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Calcium ppm	1590	1824	
Magnesium ppm	822	476	
Zinc ppm	1408	1266	
Phosphorus ppm	1134	1006	
Barium ppm	n 🔲 O	4	
Boron ppm	n 🔲 O	42	



ALTA CONSTRUCTION EQUIPMENT LLC

G-3283 S. DORT HIGHWAY BURTON, MI US 48529 Contact: BURTON SERVICE BURTON.SERVICE@ALTAEQUIPMENT.COM T: F:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

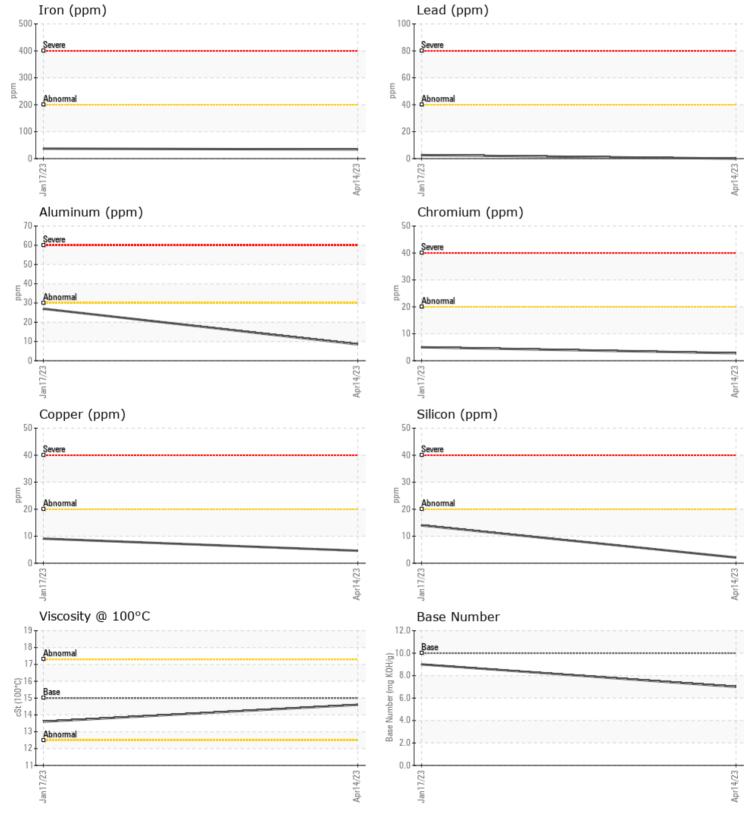
Depot: VOLVO5023 Unique No: 10444409 Signed: Wes Davis Report Date: 27 Apr 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO5023 [WUSCAR] 05830916 (Generated: 06/30/2023 12:53:20) Rev: 1

Contact/Location: BURTON SERVICE - VOLVO5023