CONSTRUCTION EQUIPMENT SPM633266 STORK CONS VOLVO L120H 632944 - DIESEL ENGINE

Sample No: VCP409037

ZOTAZ

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

Job No: SPM633266 STORK CONS

SAMPLE INFORMATION

Sample Number	-	VCP409037	VCP397120	
Sample Date		16 Nov 2023	02 Dec 2022	
Machine Hours		1439	984	
Oil Hours		500	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	14.3	13.2	
Base Number (BN)	mg KOH/g	8.4	11.0	
Oxidation (PA)	%	78	86	
	ATION			
Water	%	NEG	NEG	
Soot %	%	0.2	0.4	
Nitration (PA)	%	72	71	
Sulfation (PA)	%	58	68	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	4	7	
Sodium	ppm	2	0	
Potassium	ppm	1	2	



ALTA CONSTRUCTION EQUIPMENT LLC

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

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.

WEAR METALS

WLAK I	METALS			
Iron	ppm	12	14	
Copper	ppm	2	3	
Lead	ppm	1	<1	
Tin	ppm		1	
Aluminum	ppm	7	21	
Chromium	ppm	1	2	
Molybdenum	ppm	52	45	
Nickel	ppm	0	0	
Titanium	ppm	<1	<1	
Silver	ppm	0	1	
Manganese	ppm	□<1	<1	
Vanadium	maa	<1	<1	

ADDITIVES							
Calcium	ppm	1374	1735				
Magnesium	ppm	924	452				
Zinc	ppm	1380	1120				
Phosphorus	ppm	1061	940				
Barium	ppm	0	<1				
Boron	ppm	1 8	62				

 Depot:
 VOLVO5023

 Unique No:
 10764796

 Signed:
 Wes Davis

 Report Date:
 29 Nov 2023

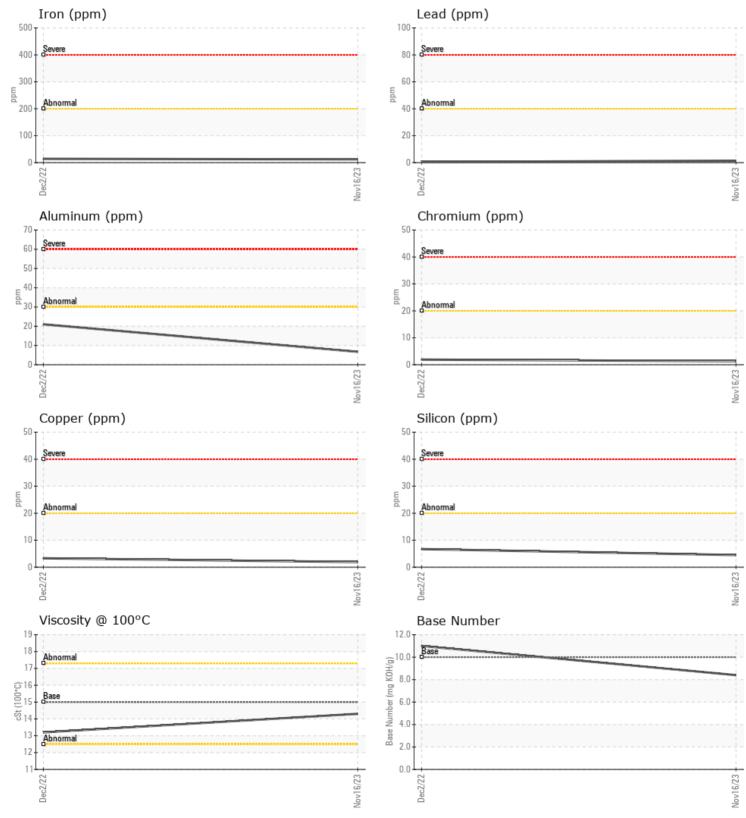
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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