CONSTRUCTION EQUIPMENT 24539 VOLVO A45G 353374 - DIESEL ENGINE



Sample No: VCP429022

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	24539

SAMPLE INFORMATION

Sample Number		VCP429022	VCP433648	
Sample Date		05 Dec 2023	26 Sep 2023	
Machine Hours		3072	2653	
Oil Hours		0	1000	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.6	12.8	
Base Number (BN)	mg KOH/g	9.4	6.8	
Oxidation (PA)	%	76	59	
CONTAMIN	IATION			
Water	%	NEG	NEG	
Soot %	%	0.5	0.3	
Nitration (PA)	%	61	59	
Sulfation (PA)	%	61	58	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	6	8	
Sodium	ppm	■ <1	5	
Potassium	ppm	2	4	

WEAR METALS

WLAK I	METALS			
Iron	ppm	8	9	
Copper	ppm	2	6	
Lead	ppm	□ <1	2	
Tin	ppm	1	1	
Aluminum	ppm	2	2	
Chromium	ppm		 <1	
Molybdenum	ppm	48	106	
Nickel	ppm	2	1	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	□<1	1	
Vanadium	ppm	0	0	

ADDITIVES					
Calcium	ppm	1545	1647		
Magnesium	ppm	461	523		
Zinc	ppm	1068	1435		
Phosphorus	ppm	855	1191		
Barium	ppm	11	0		
Boron	ppm	74	505		



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7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC US 29418 Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com T: F: (843)414-1129

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:
 VOLVO3387

 Unique No:
 10782875

 Signed:
 Wes Davis

 Report Date:
 14 Dec 2023

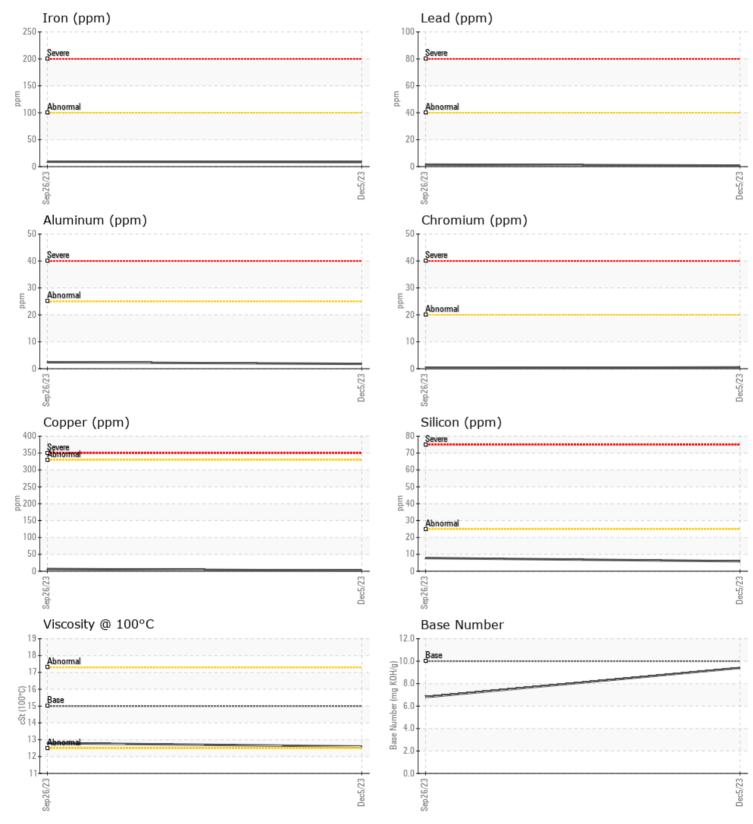
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: MATT MITCHAM - VOLVO3387