CONSTRUCTION EQUIPMENT SPM659806-10 VOLVO A45G 353133 - DIESEL ENGINE



Sample No: VCP436256 **Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: SPM659806-10 SAMPLE INFORMATION VCP436256 Sample Number VCP403721 Sample Date 15 Jan 2024 07 Sep 2023 Machine Hours 2427 1639 Oil Hours 0 0 Oil Changed N/A Changed

VOLVO

	VA	chungeu	
Sample Status A	BNORMAL	ABNORMAL	
OIL CONDITION			
Visc @ 100°C cSt	12.4	1 2.1	
Base Number (BN) mg KOH/g	8.9	9.3	
Oxidation (PA) %	80	74	

CONTAI	MINATION			
Water	%	NEG	NEG	
Soot %	%	0.5	0.5	
Nitration (PA)	%	72	58	
Sulfation (PA)	%	60	59	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	0.4	
Silicon	ppm	11	<u> </u>	
Sodium	ppm	2	4	
Potassium	ppm	2	2	

WEAR METALS

WEAR I	METAL3			
Iron	ppm	1 6	26	
Copper	ppm	5	8	
Lead	ppm	2	 <1	
Tin	ppm	2	4	
Aluminum	ppm	2	2	
Chromium	ppm	∎1	2	
Molybdenum	ppm	53	64	
Nickel	ppm	🔺 11	1 0	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	1	2	
Vanadium	ppm	0	<1	

ADDITI	VES			
Calcium	ppm	1612	1909	
Magnesium	ppm	518	546	
Zinc	ppm	1140	1196	
Phosphorus	ppm	963	963	
Barium	ppm	0	0	
Boron	ppm	29	36	



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Valve wear is indicated. All other 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:
 VOLVO0090

 Unique No:
 10857557

 Signed:
 Don Baldridge

 Report Date:
 01 Feb 2024

Report Id: VOLVO0090 [WUSCAR] 06075466 (Generated: 02/01/2024 13:12:36) Rev: 1

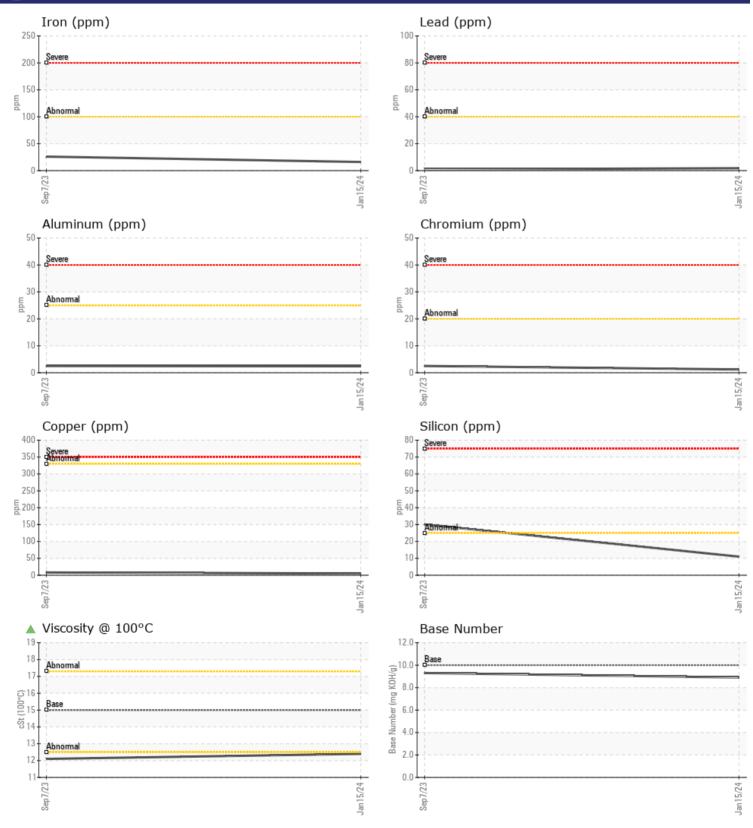
Contact/Location: TODD LARK - VOLVO0090

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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