CONSTRUCTION EQUIPMENT



 Sample No:
 VCP437766

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

 Job No:
 SPM673900-10

 SAMPLE INFORMATION

VOLVO

VCP437766 Sample Number VCP433566 Sample Date 16 Feb 2024 02 Nov 2023 Machine Hours 1818 1165 Oil Hours 0 0 Oil Changed N/A Changed ABNORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.9 12.5 8.8 Base Number (BN) mg KOH/g **3.2** Oxidation (PA) 76 74 %

Contai	MINATION			
Water	%	NEG	NEG	
Soot %	%	2.7	0.4	
Nitration (PA)	%	99	65	
Sulfation (PA)	%	82	60	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	6	14	
Sodium	ppm	2	3	
Potassium	ppm	0	2	

WEAR METAL

WEAK N	NETALS			
Iron	ppm	1 4	28	
Copper	ppm	6	18	
Lead	ppm	□ <1	4	
Tin	ppm	□ <1	3	
Aluminum	ppm	5	14	
Chromium	ppm		1	
Molybdenum	ppm	46	47	
Nickel	ppm	0	 <1	
Titanium	ppm	0	<1	
Silver	ppm	0	1	
Manganese	ppm	□ <1	2	
Vanadium	ppm	0	<1	

ADDITIVES							
Calcium	ppm	1762	1606				
Magnesium	ppm	547	604				
Zinc	ppm	1205	1281				
Phosphorus	ppm	994	1004				
Barium	ppm	1	12				
Boron	ppm	4 3	67				



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

The oil is near the end of it's useful service life, recommend schedule an oil change. 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 level is low. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO0090

 Unique No:
 10887549

 Signed:
 Don Baldridge

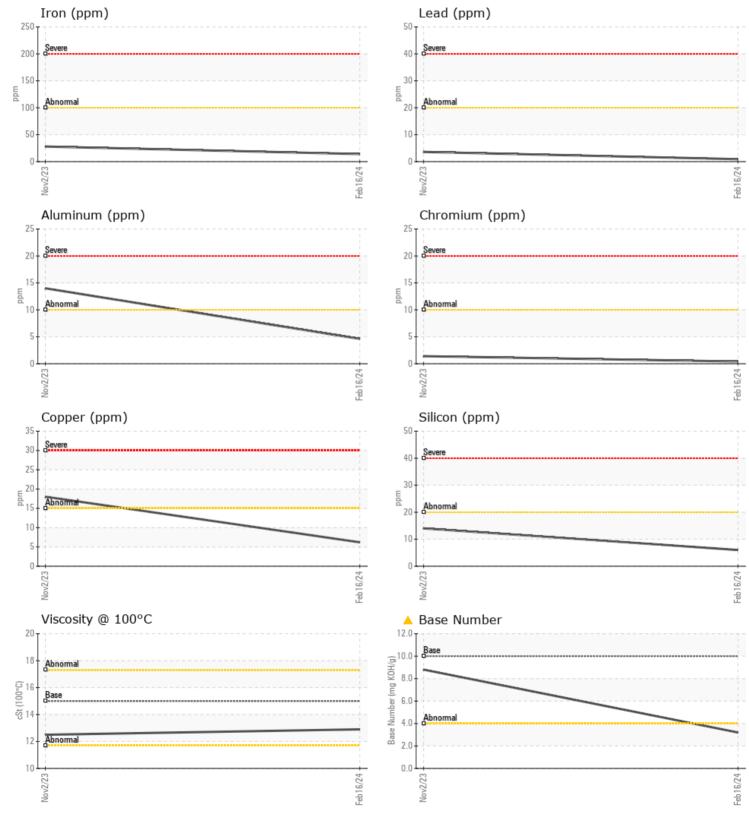
 Report Date:
 22 Feb 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06094696 (Generated: 02/22/2024 10:27:12) Rev: 1

Contact/Location: TODD LARK - VOLVO0090