CONSTRUCTION EQUIPMENT 576354 MOSAIC - DIESEL ENGINE



 Sample No:
 VCP440167

 Oil Type:
 DIESEL ENGINE OIL SAE 40

 Job No:
 576354 MOSAIC

SAMPLE INFORMATION

Potassium

ppm

2

VOLVO

Sample Number		VCP440167	VCP436254	
Sample Date		07 Jun 2024	13 Dec 2023	
Machine Hours		0	962	
Oil Hours		0	0	
Oil Changed		N/A	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	13.9	13.2	
Base Number (BN)	mg KOH/g	9.1	8.7	
Oxidation (PA)	%	65	82	
CONTAMIN	IATION			
Water	%	NEG	NEG	
Soot %	%	0.4	0.6	
Nitration (PA)	%	64	77	
Sulfation (PA)	%	55	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	10	23	
Sodium	ppm	2	4	



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.com

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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.

VOLVO				
WEAR I	METALS			
Iron	ppm	24	41	
Copper	ppm	6	11	
Lead	ppm	 <1	2	
Tin	ppm	2	4	
Aluminum	ppm	1 3	23	
Chromium	ppm	2	4	
Molybdenum	ppm	56	41	
Nickel	ppm		 <1	
Titanium	ppm	■<1	0	
Silver	ppm	0	0	
Manganese	ppm	2	6	
Vanadium	ppm	<1	0	

2

ADDITIVES						
Calcium	ppm	1237	1531			
Magnesium	ppm	784	593			
Zinc	ppm	1151	1175			
Phosphorus	ppm	917	965			
Barium	ppm	0	2			
Boron	ppm	11	29			

 Depot:
 VOLVO0093

 Unique No:
 11073565

 Signed:
 Sean Felton

 Report Date:
 13 Jun 2024

Contact/Location: KENNY HANEY - VOLVO0093

Report Id: VOLVO0093 [WUSCAR] 06206104 (Generated: 06/13/2024 12:22:57) Rev: 1

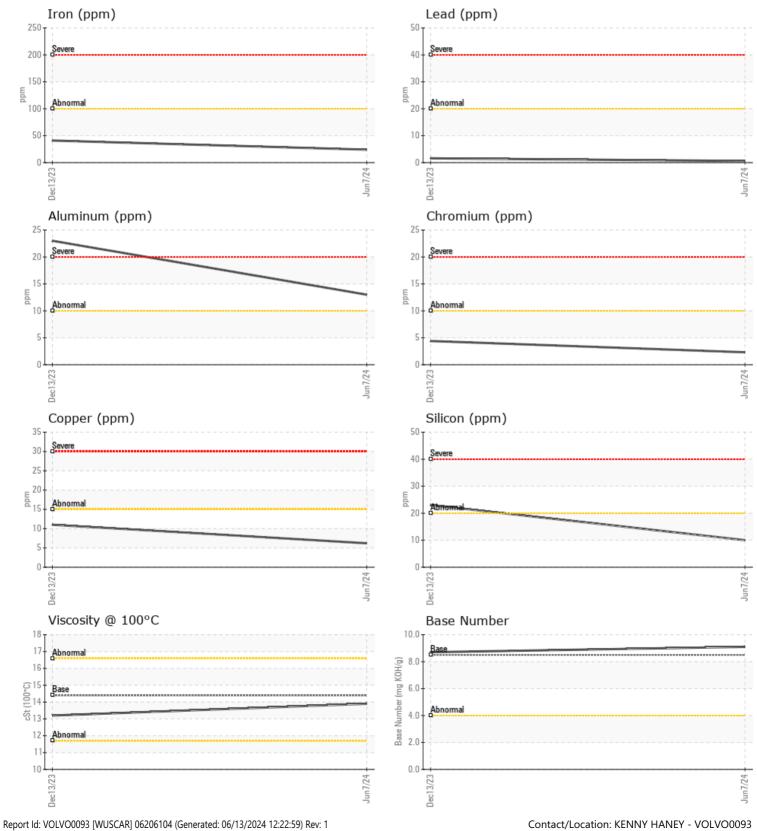
Dage 1 of 2

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location. Reining