## CONSTRUCTION EQUIPMENT SPM702306 SENNEBOGEN 835 835.0.3213 - DIESEL ENGINE

 Sample No:
 VCP446156

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SPM702306

## SAMPLE INFORMATION

Potassium

ppm

■ <1

VOLVO

Sample Number	-	VCP446156	VCP415027	 
Sample Date		16 Jun 2024	12 Sep 2023	 
Machine Hours		2305	543	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	ABNORMAL	 
OIL CONDI				
Visc @ 100°C	cSt	<b>13.4</b>	🔺 11.5	 
Base Number (BN)	mg KOH/g	8.7	5.8	 
Oxidation (PA)	%	116	72	 
	NATION			
Water	%	NEG	NEG	 
Soot %	%	0.2	0.2	 
Nitration (PA)	%	92	88	 
Sulfation (PA)	%	73	56	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	▲ 2.3	 
Silicon	ppm	7	19	 
Sodium	ppm	2	6	 



#### SIMS METAL MANAGEMENT

2500 S. PAULINA CHICAGO, IL US 60608 Contact: RYAN WISE ryan.wise@simsmm.com T: F:

### 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 acceptable for the time in service.

WEAR	METALS			
Iron	ppm	38	30	 
Copper	ppm	8	12	 
Lead	ppm	0	<1	 
Tin	ppm	<b>1</b>	<1	 
Aluminum	ppm	8	26	 
Chromium	ppm	∎1	1	 
Molybdenum	ppm	<b>4</b> 3	77	 
Nickel	ppm	0	<1	 
Titanium	ppm	0	1	 
Silver	ppm	0	0	 
Manganese	ppm	■ <1	6	 
Vanadium	ppm	0	0	 

85

ADDITIVES							
Calcium	ppm	<b>1638</b>	2127				
Magnesium	ppm	<b>704</b>	276				
Zinc	ppm	1269	1252				
Phosphorus	ppm	1128	1002				
Barium	ppm	0	9				
Boron	ppm	35	35				

 Unique No:
 11084083

 Signed:
 Sean Felton

 Report Date:
 19 Jun 2024

Depot:

Report Id: SIMCHIIL [WUSCAR] 06211219 (Generated: 06/21/2024 21:28:28) Rev: 2

Contact/Location: RYAN WISE - SIMCHIIL

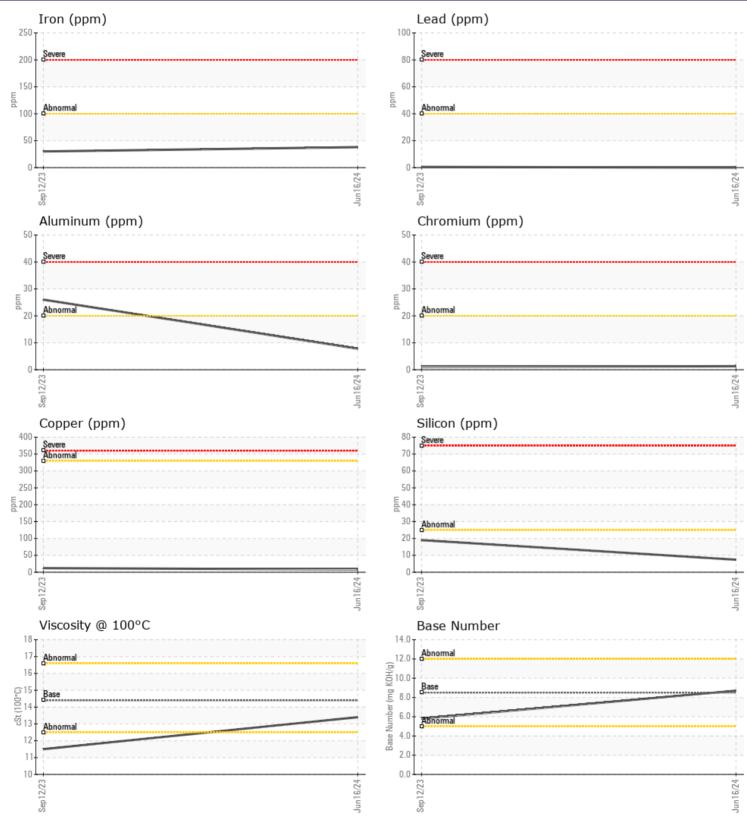
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# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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