CONSTRUCTION EQUIPMENT SPM646361 SENNEBOGEN 835E 835.0.3239 - DIESEL ENGINE

 Sample No:
 VCP433388

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SPM646361

VCP433388

## SAMPLE INFORMATION

Sample Number

VOLVO

Sample Number		VCF433300	 	
Sample Date		17 Dec 2023	 	
Machine Hours		547	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>11.0</b>	 	
Base Number (BN)	mg KOH/g	5.8	 	
Oxidation (PA)	%	71	 	
CONTAMIN	ATION			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	86	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<u> </u>	 	
Silicon	ppm	<b>16</b>	 	
Sodium	ppm	■4	 	

ppm

51

Potassium

WLAK M	CIALS			
Iron	ppm	18	 	
Copper	ppm	<b>14</b>	 	
Lead	ppm	0	 	
Tin	ppm		 	
Aluminum	ppm	<b>16</b>	 	
Chromium	ppm		 	
Molybdenum	ppm	74	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	6	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	2059				
Magnesium	ppm	<b>111</b>				
Zinc	ppm	1179				
Phosphorus	ppm	913				
Barium	ppm	4				
Boron	ppm	<b>45</b>				



## **BELSON STEEL**

1685 N STATE RTE 50 BOURBONNAIS, IL US 60914 Contact: M. POZAN mpozan@belsonsteel.com T: (815)932-7416 E:

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

 Depot:
 BELBOU

 Unique No:
 10792847

 Signed:
 Wes Davis

 Report Date:
 21 Dec 2023

Report Id: BELBOU [WUSCAR] 06037618 (Generated: 12/22/2023 02:11:55) Rev: 1

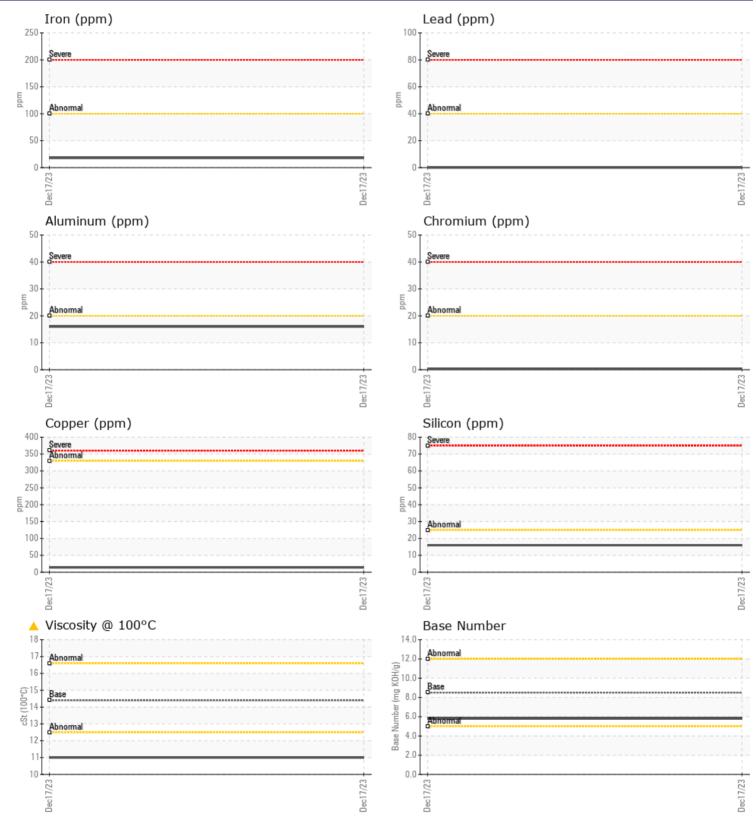
Contact/Location: M. POZAN - BELBOU

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: M. POZAN - BELBOU