# VOLVO

## CONSTRUCTION EQUIPMENT 714994 SENNEBOGEN 840 2368 - DIESEL ENGINE



### VCP454467 Sample No:

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	714994

## AMPLE INFORMATION

%

%

Glycol

Fuel

C.1.

NEG

<1.0

Sample Number	-	VCP454467	VCP431517	 
Sample Date		14 May 2024	11 Oct 2023	 
Machine Hours		1555	604	 
Oil Hours		500	500	 
Oil Changed		Changed	Changed	 
Sample Status		ATTENTION	ABNORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>12.4</b>	0.9	 
Base Number (BN)	mg KOH/g	9.4	7.6	 
Oxidation (PA)	%	67	71	 
CONTAMIN	IATION			
Water	%	NEG	NEG	 
Soot %	%		0.2	 
Nitration (PA)	%	66	79	 
Sulfation (PA)	%	54	57	 

### FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T: F:

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Silicon	ppm	7	13	 
Sodium	ppm	3	4	 
Potassium	ppm	<b>10</b>	<b>▲</b> 68	 
WEAR	METALS			
Iron	ppm	13	26	 
Copper	ppm	<b>4</b>	14	 
Lead	ppm	3	< 1	 
Tin	ppm	3	<b></b> <1	 
Aluminum	ppm	6	11	 
Chromium	ppm	3	<1	 
Molybdenum	ppm	60	61	 
Nickel	ppm	3	0	 
Titanium	ppm	2	<1	 
Silver	ppm	3	0	 
Manganese	ppm	3	4	 
Vanadium	ppm	2	0	 

2.9

NEG

ADDITI	VES			
Calcium	ppm	<b>1060</b>	1771	 
Magnesium	ppm	926	381	 
Zinc	ppm	1182	1050	 
Phosphorus	ppm	994	952	 
Barium	ppm	<b>1</b>	6	 
Boron	ppm	2	85	 

Depot: FERDET Unique No: 11033683 Signed: Don Baldridge Report Date: 20 May 2024

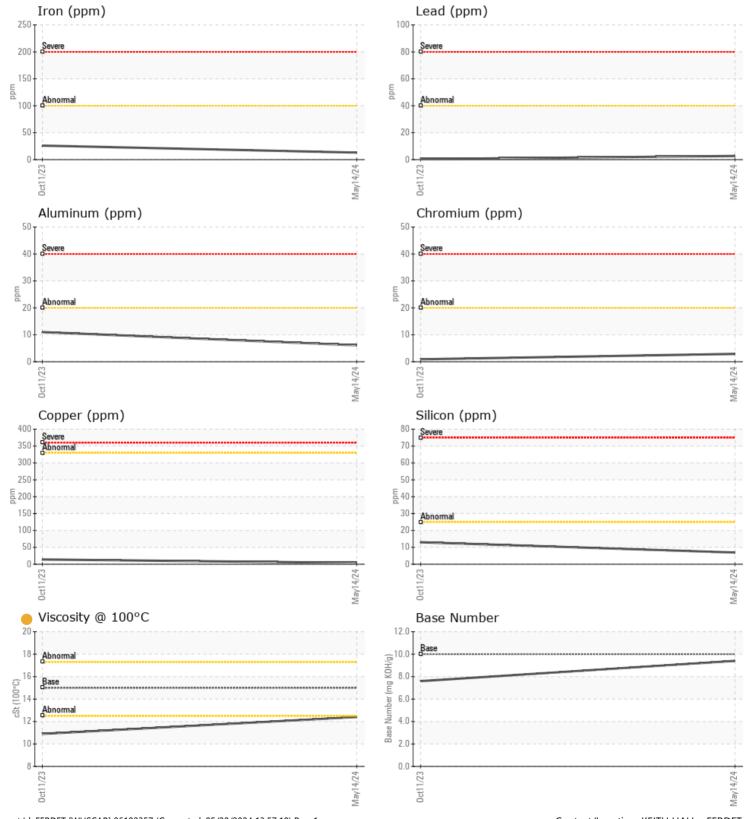
Contact/Location: KEITH HALL - FERDET

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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