

CONSTRUCTION EQUIPMENT UNITED SENNEBOGEN 835.0.2725 - DIESEL ENGINE



Sample No: VCP424491

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

Job No: UNITED

VOLVO	MENDMATION				
_	NFORMATION				
Sample Number		VCP424491	VCP370035	VCP401641	
Sample Date		03 Aug 2023	25 Apr 2023	25 Apr 2023	
Machine Hours		7425	7216	7216	
Oil Hours		500	0	500	
Oil Changed		Changed	N/A	Changed	
Sample Status		SEVERE	MARGINAL	SEVERE	
OIL CONDI	TION				
Visc @ 100°C	cSt	1 0.5	m12.2	9.2	
			12.3		
Base Number (BN)		7.3	8.4	8.0	
Oxidation (PA)	%	111	109	94	
VOLVO					
CONTAMII	NATION				
Soot %	%	0.2	□0.2	0.2	
Nitration (PA)	%	94	93	84	
Sulfation (PA)	%	67	69	62	
Glycol	%	NEG	NEG	NEG	
Fuel	%	12.0	▲ 3.0	16.7	
Silicon	ppm	■ 5	<u>5</u>	<u>5</u>	
Sodium	ppm	1 4	3	2	
Potassium	ppm	3	0	0	
	la la con				
VOLVO	TALC				
WEAR ME	IALS				
Iron	ppm	11	9	1 1	
Copper	ppm	■<1	- <1	<1	
Lead	ppm	■ <1	0	0	
Tin	ppm	■<1	0	■0	
Aluminum	ppm	2	2	2	
Chromium	ppm	■<1	- <1	- <1	
Molybdenum	ppm	■39	□39	■37	
Nickel	ppm	0	0	□0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	■<1	<1	 <1	
Vanadium	ppm	<1	<1	<1	
ADDITIVE	۲				
_				_1=:	
Calcium	ppm	1680	■1863	1501	
Magnesium	ppm	■510	□488	435	
Zinc	ppm	1121	1 137	957	
Phosphorus	ppm	874	933	778	
Barium	ppm	■0	0	□0	
Boron	ppm	41	4 2	44	

GREEN MACHINE SERVICES LLC

13 SPYROS DRIVE SOUTH AMBOY, NJ US 08879 Contact: JOE GRZANKOWSKI JOE@GREENMSRV.COM T: (732)673-5920 F:

Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot:GRESOUNJUnique No:10675089Signed:Don BaldridgeReport Date:06 Oct 2023



CONSTRUCTION EQUIPMENT





