## **OIL ANALYSIS REPORT**

### BRIAN H190621335 - GENSET

Sample No: VPA055860

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

Sample Number		VPA055860	 	
Sample Date		20 Mar 2024	 	
Machine Hours		2580	 	
Oil Hours		225	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.8	 	
Base Number (BN)	mg KOH/g	8.0	 	
Oxidation (PA)	%	79	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	57	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	6	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	6	 	
Copper	ppm	2	 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	<b>1</b>	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	<b>49</b>	 	
Nickel	ppm	<b>  </b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
	ppm	1236	 	
Calcium	1-1			
Calcium Magnesium	ppm	836		
Magnesium Zinc		980	 	
Magnesium Zinc Phosphorus	ppm	■ 980 ■ 828		
Magnesium Zinc	ppm ppm	980	 	



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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 acceptable for the time in service.

Depot:VPROBJUPUnique No:10943213Signed:Don BaldridgeReport Date:28 Mar 2024

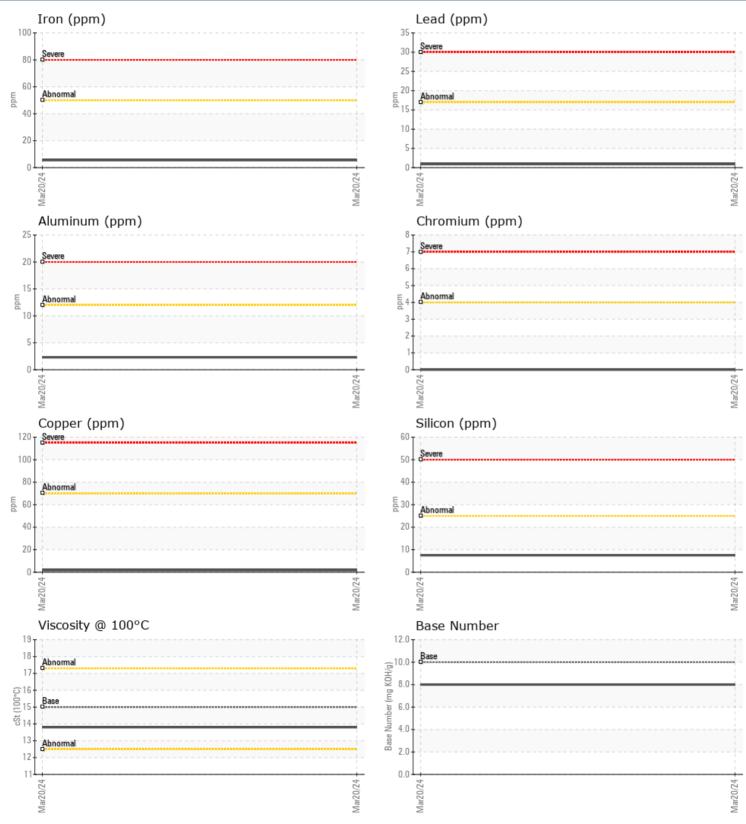
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#### GRAPHS



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