



## BLAKE LANE CUMMINS L100176772 - GENSET

Sample No: VPA059203

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

Base Number (BN) mg KOH/g					
15 Mar 2024	SAMPLE INFORMAT	TION			
15 Mar 2024	Sample Number		VPA059203	 	
Machine Hours					
Oil Changed         Changed	•				
Changed   Chan					
NORMAL					
Dil CONDITION	_		_		
Visc @ 100°C			HORWAL		
Base Number (BN) mg KOH/g	OIL CONDITION				
CONTAMINATION	Visc @ 100°C	cSt	<b>13.4</b>	 	
CONTAMINATION	Base Number (BN)	mg KOH/g	■9.3	 	
Neg	Oxidation (PA)	%	56	 	
Neg	CONTAMINATION				
Scot %   %   0.1		0/.	NEG		
Nitration (PA)					
Sulfation (PA)			_		
Silicon   Sili				 	
Fuel					
Solition				 	
Sodium	Silicon				
Near METALS   Near METALS   Near METALS   Near METALS     Note				 	
WEAR METALS           Iron         ppm         4              Copper         ppm         2              Lead         ppm         <1	Potassium			 	
Tron	WEAD METALS				
Copper         ppm         2 <td>MENK METAL2</td> <td></td> <td></td> <td></td> <td></td>	MENK METAL2				
Lead	Iron			 	
Tin ppm				 	
Aluminum ppm 2 Chromium ppm 57 Molybdenum ppm 557 Titanium ppm 1 Silver ppm 0				 	
Chromium ppm				 	
Molybdenum         ppm         57              Nickel         ppm         <1					
Nickel         ppm  <			_	 	
Titanium ppm <1 Silver ppm 0 Silver ppm 0					
Silver         ppm         0              Manganese         ppm         <1			_		
Manganese         ppm         <1					
Vanadium         ppm         <1              ADDITIVES           Calcium         ppm         1162              Magnesium         ppm         858              Zinc         ppm         1177              Phosphorus         ppm         988              Barium         ppm         0					
ADDITIVES  Calcium ppm 1162  Magnesium ppm 858  Zinc ppm 1177  Phosphorus ppm 988  Barium ppm 0					
Calcium         ppm         1162              Magnesium         ppm         858              Zinc         ppm         1177              Phosphorus         ppm         988              Barium         ppm         0		ррпі	<b>~</b> 1	 	
Magnesium         ppm         858              Zinc         ppm         1177              Phosphorus         ppm         988              Barium         ppm         0	ADDITIVES				
Zinc         ppm         1177              Phosphorus         ppm         988              Barium         ppm         0	Calcium	ppm	<b>1162</b>	 	
Phosphorus         ppm         ■988              Barium         ppm         ■0	Magnesium	ppm	■858	 	
Barium ppm <b>0</b>	Zinc	ppm		 	
	Phosphorus	ppm		 	
Boron ppm <b>12</b>	Barium				
	Boron	ppm	<b>12</b>	 	

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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:VP794951Unique No:10937609Signed:Don BaldridgeReport Date:22 Mar 2024

## **OIL ANALYSIS REPORT**



