## **OIL ANALYSIS REPORT**

### MARK GUILMAIN TAP551928 CUMMINS E180357768 - PORT GENSET

Sample No: VPA045611

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

Sample Number		VPA045611	VPA040586	 
Sample Date		09 Apr 2024	05 Jun 2023	 
Machine Hours		3874	287	 
Oil Hours		3874	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	<b>13.0</b>	13.4	 
Base Number (BN)	mg KOH/g	9.9	8.6	 
Oxidation (PA)	%	58	63	 
CONTAMINATION				
Water	%	NEG	NEG	 
Soot %	%	<b>0.1</b>	0.1	 
Nitration (PA)	%	48	47	 
Sulfation (PA)	%	51	55	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	7	8	 
Sodium	ppm	2	2	 
Potassium	ppm	<b>□</b> <1	3	 
WEAR METALS				
ron	ppm	5	6	 
Copper	ppm	<b>1</b>	1	 
_ead	ppm	<b>■</b> <1	0	 
Tin	ppm	<b>■</b> <1	1	 
Aluminum	ppm	2	2	 
Chromium	ppm	■ <1	□ <1	 
Molybdenum	ppm	63	78	 
Nickel	ppm	<b></b> <1	<b></b> <1	 
Titanium	ppm	<1	<b></b> <1	 
Silver	ppm	0	0	 
Manganese	ppm	■<1	□ <1	 
Vanadium	ppm	<1	<1	 
ADDITIVES				
Calcium	ppm	<b>1170</b>	1656	 
Magnesium	ppm	907	514	 
Zinc	ppm	<b>1236</b>	1420	 
Phosphorus	ppm	<b>1065</b>	1133	 
Barium	ppm	2	0	 
Boron	ppm	<b>79</b>	324	 

#### FDDA TAMPA

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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.

Unique No:10979827Signed:Don BaldridgeReport Date:18 Apr 2024

VP208641

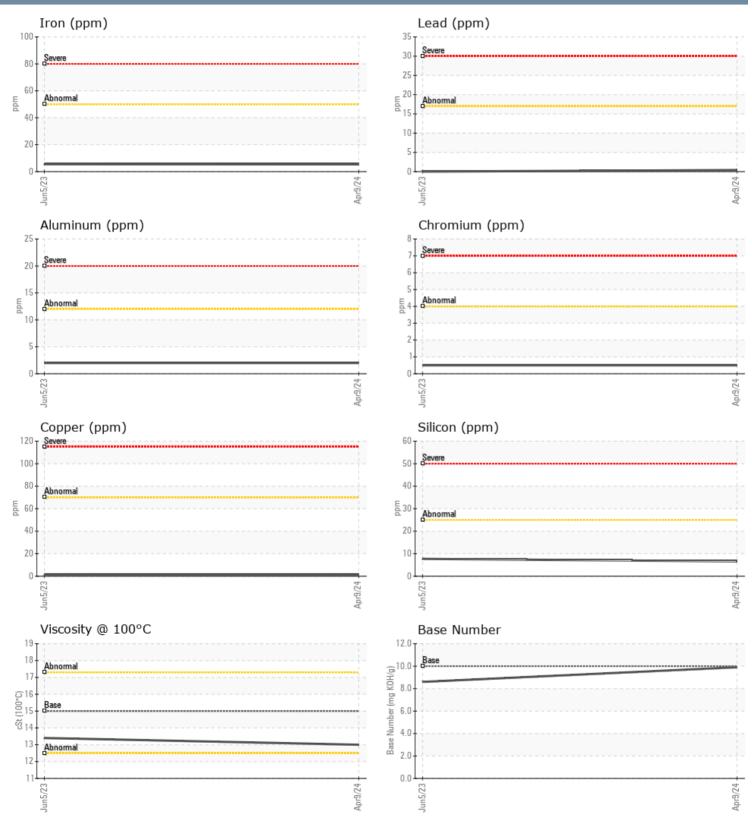
Contact/Location: KYLE SUTLEY - VP208641



# **OIL ANALYSIS REPORT**



#### GRAPHS



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