## **OIL ANALYSIS REPORT**

### VOLVO PENTA

### VOLVO PENTA 2071175620 - PORT DIESEL ENGINE

Sample No: VPA055309

Oil Type: VOLVO PENTA SAE 15W40

Sample Number		VPA055309	VPA048471	 
Sample Date		09 Oct 2023	12 Oct 2022	 
Machine Hours		0	900	 
Oil Hours		30	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.4</b>	14.1	 
Base Number (BN)	mg KOH/g	8.4	11.4	 
Oxidation (PA)	%	57	57	 
CONTAMINATION				
Soot %	%	0.6	1.5	 
Nitration (PA)	%	47	55	 
Sulfation (PA)	%	54	61	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	5	7	 
Sodium	ppm	3	3	 
Potassium	ppm	5	2	 
WEAR METALS				
Iron	ppm	18	23	 
Copper	ppm	 17	32	 
Lead	ppm	5	9	 
Tin	ppm		1	 
Aluminum	ppm	2	5	 
Chromium	ppm	<b>1</b>	2	 
Molybdenum	ppm	<b>1</b> 4	59	 
Nickel	ppm	2	3	 
Titanium	ppm	<b></b> <1	<b></b> < 1	 
Silver	ppm	<b>  </b> <1	<b></b> <1	 
Manganese	ppm	■ <1	< 1	 
Vanadium	ppm	<1	<1	 
ADDITIVES				
Calcium	ppm	<b>1841</b>	1119	 
Magnesium	ppm	223	900	 
Zinc	ppm	<b>1093</b>	1254	 
Phosphorus	ppm	929	1025	 
Barium	ppm	0	0	 
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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:
 VP153550

 Unique No:
 10696487

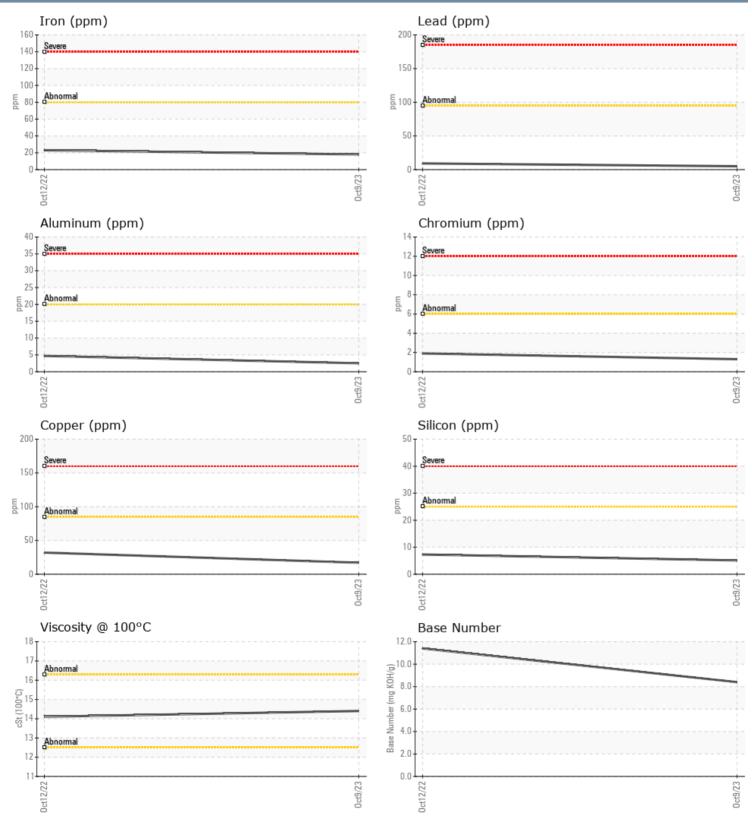
 Signed:
 Don Baldridge

 Report Date:
 17 Oct 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP153550 [WUSCAR] 05979192 (Generated: 10/20/2023 08:21:22) Rev: 1

Contact/Location: Andy Tassinari - VP153550