OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A907489 - PORT DIESEL ENGINE

Sample No: VPA058698

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA058698	 	
Sample Date		27 Mar 2024	 	
Machine Hours		591	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	e 12.0	 	
Base Number (BN)	mg KOH/g	8.4	 	
Oxidation (PA)	%	63	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	58	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	0.3	 	
Silicon	ppm	24	 	
Sodium	ppm	53	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	21	 	
Copper	ppm	0	 	
Lead	ppm	 <1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	6	 	
Chromium	ppm	<mark> 1</mark> 8	 	
Molybdenum	ppm	57	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1113	 	
	ppm	928	 	
Magnesium	ppm	🔲 1190	 	
Zinc				
Zinc Phosphorus	ppm	933	 	
Zinc		933 0 6	 	

JOHNSTONS MARINE SERVICES

1850 NW 15th AVENUE, SUITE 205 POMPANO BEACh, FL US 33069 Contact: NEIL JOHNSTON neil@1jms.com T: (984)448-0813 F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The chromium level is abnormal. All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VPJOHDEE

 Unique No:
 10952482

 Signed:
 Jonathan Hester

 Report Date:
 03 Apr 2024

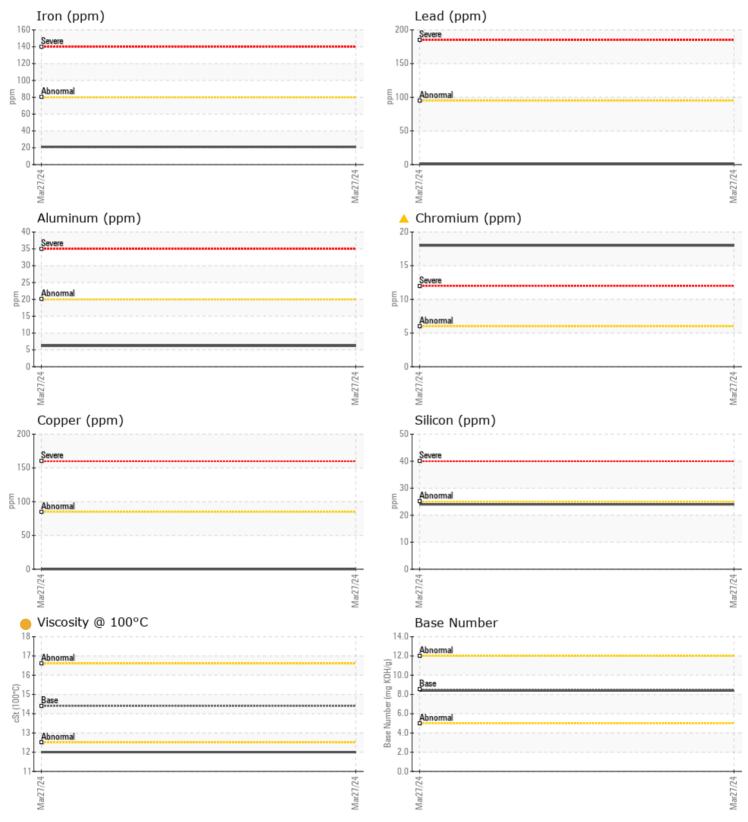
Report Id: VPJOHDEE [WUSCAR] 06133017 (Generated: 04/03/2024 09:47:27) Rev: 1

Contact/Location: NEIL JOHNSTON - VPJOHDEE

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPJOHDEE [WUSCAR] 06133017 (Generated: 04/03/2024 09:47:29) Rev: 1

Contact/Location: NEIL JOHNSTON - VPJOHDEE