OIL ANALYSIS REPORT

DOUG TAYLOR VOLVO PENTA VOLVO PENTA D-4 - DOUG TAYLOR (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA045717

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number Sample Date Machine Hours Oil Hours Oil Changed Sample Status		VPA045717 10 Aug 2023 246 0 Changed NORMAL	 	
OIL CONDITION				
Visc @ 100°C Base Number (BN) Oxidation (PA)	cSt mg KOH/g %	13.6 9.9 62	 	
CONTAMINATION				
Soot % Nitration (PA)	%	0.4 53	 	
Sulfation (PA) Glycol	%	55 NEG	 	
Fuel Silicon	% ppm	<1.0	 	
Sodium Potassium	ppm ppm	2 2	 	

WEAR METALS

Iron	ppm	40	 	
Copper	ppm	6	 	
Lead	ppm	6	 	
Tin	ppm	2	 	
Aluminum	ppm	39	 	
Chromium	ppm	3	 	
Molybdenum	ppm	56	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1202	 	
Magnesium	ppm	923	 	
Zinc	ppm	1315	 	
Phosphorus	ppm	1052	 	
Barium	ppm	0	 	
Boron	ppm	9	 	

FDDA TAMPA

TAMPA, FL US Contact: KYLE SUTLEY k.sutley@ssss.com T: (813)918-8518 E-

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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:
 VP208641

 Unique No:
 10605774

 Signed:
 Don Baldridge

 Report Date:
 17 Aug 2023

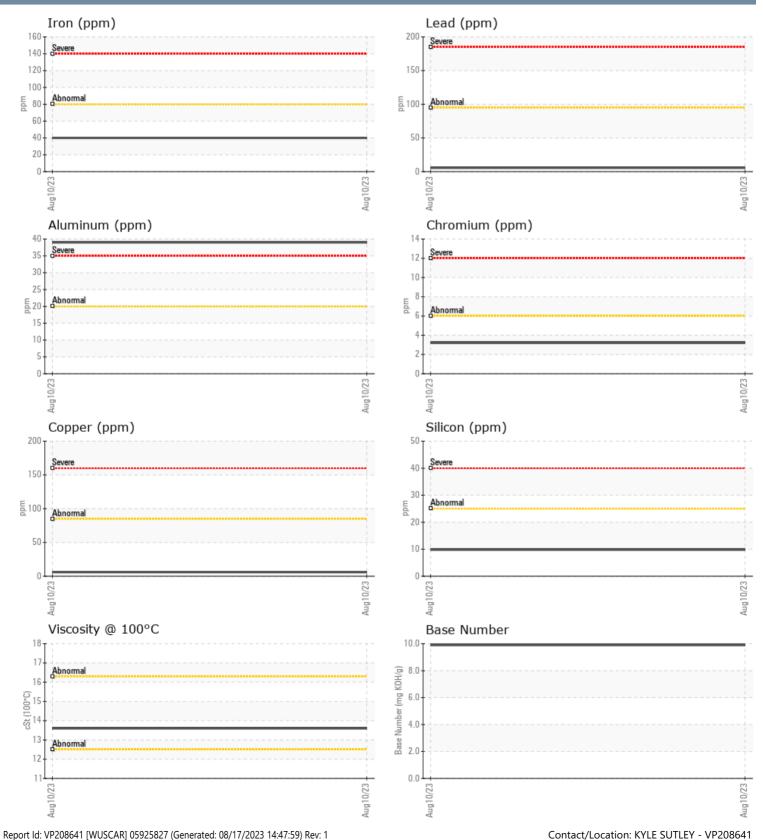
Contact/Location: KYLE SUTLEY - VP208641



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GRAPHS



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