[REMIEN] VOLVO PENTA A296114 - PORT DIESEL ENGINE

Sample No: VPA036758

Phosphorus

Barium

Boron

ppm

ppm

ppm

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

1042

178

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SAMPLE IN	IFORMAT	ION		
Sample Number		VPA036758	VPA041230	
Sample Date		06 Dec 2023	22 Feb 2023	
Machine Hours		676	621	
Oil Hours		0	0	
Oil Changed		Changed	N/A	
Sample Status		NORMAL	NORMAL	
OIL COND	IIION			
Visc @ 100°C	cSt	14.0	□13.4	
Base Number (BN)	mg KOH/g	■8.7	□10.2	
Oxidation (PA)	%	63	57	
CONTAMI	NATION			
Water	%	NEG	NEG	
Soot %	%	■ 0.1	0.1	
Nitration (PA)	%	49	49	
Sulfation (PA)	%	55	52	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	■5	6	
Sodium	ppm	■9	- <1	
Potassium	ppm	5	2	
WEAR MET	TALS			
Iron	ppm	11	□9	
Copper	ppm	4	2	
Lead	ppm	■0	<u> </u>	
Tin	ppm	0	<1	
Aluminum	ppm	2	= <1	
Chromium	ppm	1	0	
Molybdenum	ppm	6	<u>□</u> 58	
Nickel	ppm	<1	<1	
Titanium	ppm	■0	0	
Silver	ppm	■3	= <1	
Manganese	ppm	■ <1	□ <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	2064	1148	
Magnesium	ppm	139	992	
Zinc	ppm	1232	■1325	

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Outstanding Marine

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T:
F:

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: VP153685
Unique No: 10781921
Signed: Sean Felton
Report Date: 14 Dec 2023

Contact/Location: Ronda Bolinger - VP153685

