OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 10132223777 - 3 MAIN ENGINE

Sample No: VPA057208

Oil Type: VOLVO PENTA SAE 15W40

Sample Number		VPA057208	 	
Sample Date		06 Apr 2024	 	
Machine Hours		440	 	
Oil Hours		440	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.5	 	
Base Number (BN)	mg KOH/g	9.2	 	
Oxidation (PA)	%	80	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	29	 	
Sodium	ppm	3	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	12	 	
Copper	ppm	6	 	
Lead	ppm	■ <1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	46	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	■ <1	 	
ADDITIVES				
Calcium	ppm	1686	 	
Magnesium	ppm	377	 	
Zinc	ppm	1014	 	
Phosphorus	ppm	879	 	
Barium	ppm	0	 	
Boron	ppm	50	 	

WINDSERVE MARINE

10 MACNAUGHT ST NORTH KINGSTOWN, RI US 02852 Contact: Ryan Linn RyanL@windservemarine.com T: F:

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.

Report Id: VPSENNOR [WUSCAR] 06151558 (Generated: 04/19/2024 18:35:41) Rev: 1

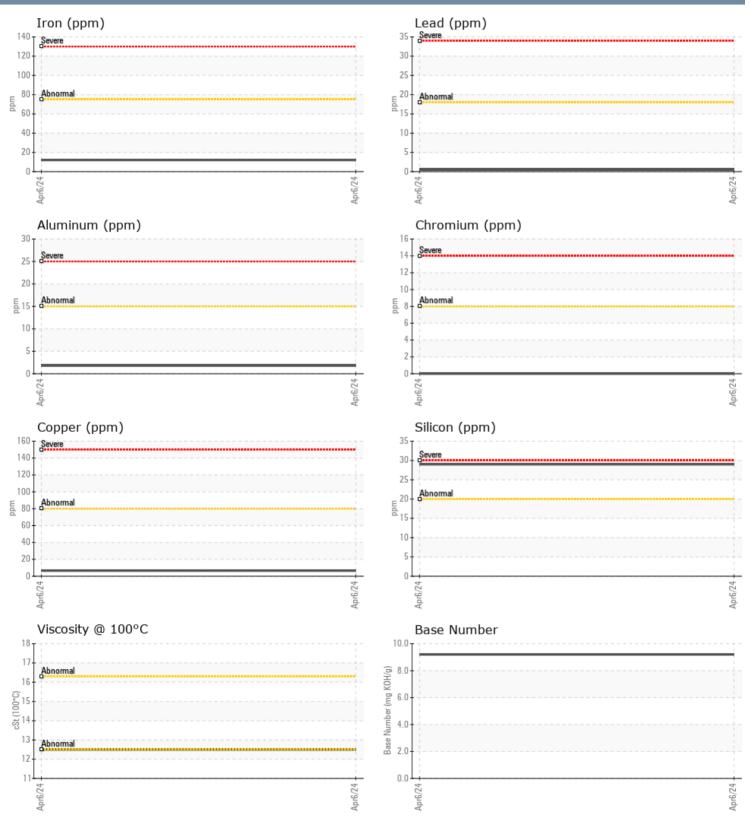
Depot:VPSENNORUnique No:10981636Signed:Jonathan HesterReport Date:19 Apr 2024

Contact/Location: Ryan Linn - VPSENNOR

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPSENNOR [WUSCAR] 06151558 (Generated: 04/19/2024 18:35:43) Rev: 1

Contact/Location: Ryan Linn - VPSENNOR