OIL ANALYSIS REPORT



VOLVO PENTA 10132223778 - 4 MAIN ENGINE

Sample No: VPA051619

Oil Type: VOLVO PENTA SAE 15W40

Sample Number		VPA051619	VPA057200	 	
Sample Date		10 May 2024	06 Apr 2024	 	
Machine Hours		829	438	 	
Oil Hours		829	438	 	
Oil Changed		Changed	Changed	 	
Sample Status		NORMAL	NORMAL	 	
OIL CONDITION					
Visc @ 100°C	cSt	12.8	12.3	 	
Base Number (BN)	mg KOH/g	9.4	8.4	 	
Oxidation (PA)	%	59	78	 	
CONTAMINATION					
Water	%	NEG	NEG	 	
Soot %	%	0.2	0.2	 	
Nitration (PA)	%	51	58	 	
Sulfation (PA)	%	52	58	 	
Glycol	%	NEG	NEG	 	
Fuel	%	<1.0	<1.0	 	
Silicon	ppm	9	33	 	
Sodium	ppm	1	3	 	
Potassium	ppm	4	8	 	
WEAR METALS					
Iron	ppm	7	12	 	
Copper	ppm	2	7	 	
Lead	ppm	 <1	<1	 	
Tin	ppm	■ <1	 <1	 	
Aluminum	ppm	2	3	 	
Chromium	ppm	0	 <1	 	
Molybdenum	ppm	58	51	 	
Nickel	ppm	0	0	 	
Titanium	ppm	0	0	 	
Silver	ppm	0	0	 	
Manganese	ppm	■ <1	2	 	
Vanadium	ppm	0	□ <1	 	
ADDITIVES					
Calcium	ppm	1153	1757	 	
Magnesium	ppm	856	339	 	
Zinc	ppm	1222	1030	 	
Phosphorus	ppm	1033	895	 	
Barium	ppm	0	0	 	
Boron	ppm	9	50	 	

WINDSERVE MARINE

10 MACNAUGHT ST NORTH KINGSTOWN, RI US 02852 Contact: Ryan Linn RyanL@windservemarine.com 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 suitable for further service.

 Depot:
 VPSENNOR

 Unique No:
 11043977

 Signed:
 Sean Felton

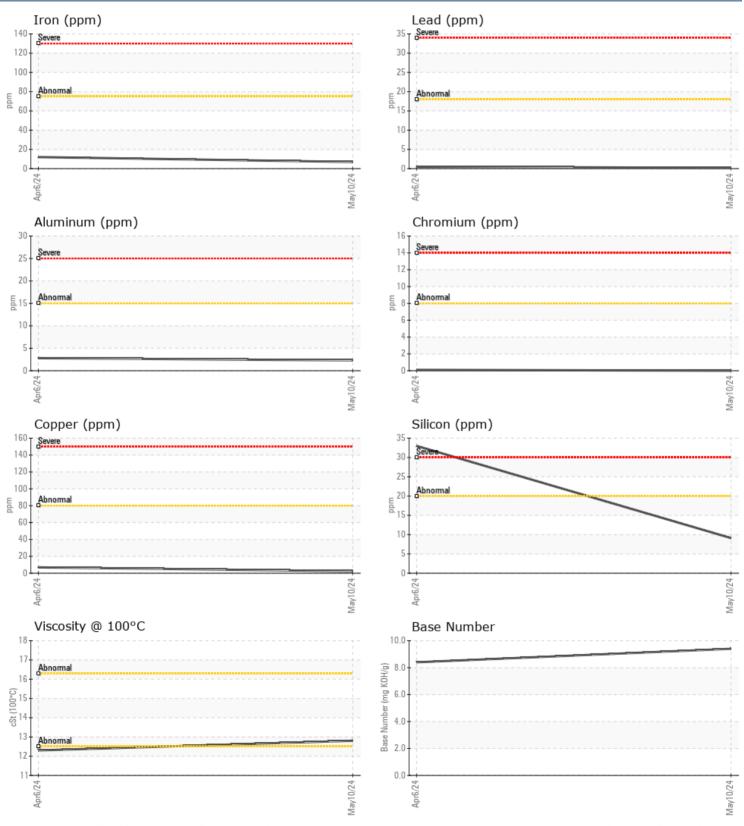
 Report Date:
 23 May 2024

Contact/Location: Ryan Linn - VPSENNOR

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPSENNOR [WUSCAR] 06187225 (Generated: 05/23/2024 15:37:31) Rev: 1

Contact/Location: Ryan Linn - VPSENNOR