OIL ANALYSIS REPORT

BILL BENDA VOLVO PENTA A 1 1 19860 - PORT DIESEL ENGINE

Sample No: VPA036174

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMAT	TION				
Sample Number		VPA036174	VPA044088	 	BAY MARINE
Sample Date		11 Oct 2023	17 Nov 2022	 	3 E MADISON S
Machine Hours		397	0	 	WAUKEGAN, IL
Oil Hours		60	0	 	US 60085
Oil Changed		Not Changd	Changed	 	Contact: NANC
Sample Status		NORMAL	NORMAL	 	NANCY.FELHOF
OIL CONDITION					T: F:
Visc @ 100°C	cSt	13.4	13.4	 	г.
Base Number (BN)	mg KOH/g	 10.4	11.4	 	
Dxidation (PA)	%	55	59	 	Diagnosis
					Resample at th
CONTAMINATION					to monitor.All o
Soot %	%	0.1	0.3	 	are normal. The any contamina
litration (PA)	%	40	48	 	result indicates
ulfation (PA)	%	51	57	 	alkalinity rema
Glycol	%	NEG	NEG	 	condition of th
uel	%	<1.0	< 1.0	 	the time in ser
ilicon	ppm	4	5	 	
odium	ppm	∎1	0	 	
Potassium	ppm	0	1	 	
WEAR METALS					
ron	ppm	4	10	 	
Copper	ppm	3	6	 	
ead	ppm	 <1	1	 	
īn	ppm	0	<1	 	
Aluminum	ppm	 <1	1	 	
Chromium	ppm	0	 <1	 	
Aolybdenum	ppm	55	59	 	
Nickel	ppm	0	0	 	
itanium	ppm	0	0	 	
ilver	ppm	0	0	 	
Manganese	ppm	0	 <1	 	
/anadium	ppm	0	0	 	
ADDITIVES					
Calcium	ppm	994	1111	 	
/lagnesium	ppm	878	880	 	
Zinc	ppm	1107	1205	 	
hosphorus	ppm	940	1018	 	
Barium	ppm	0	0	 	
Boron	ppm	0	4	 	
					Depot: Unique No:

Contact/Location: NANCY FELHOFER - VP1174336

Contact: NANCY FELHOFER ANCY.FELHOFER@BAYMARINE.NET

Diagnosis

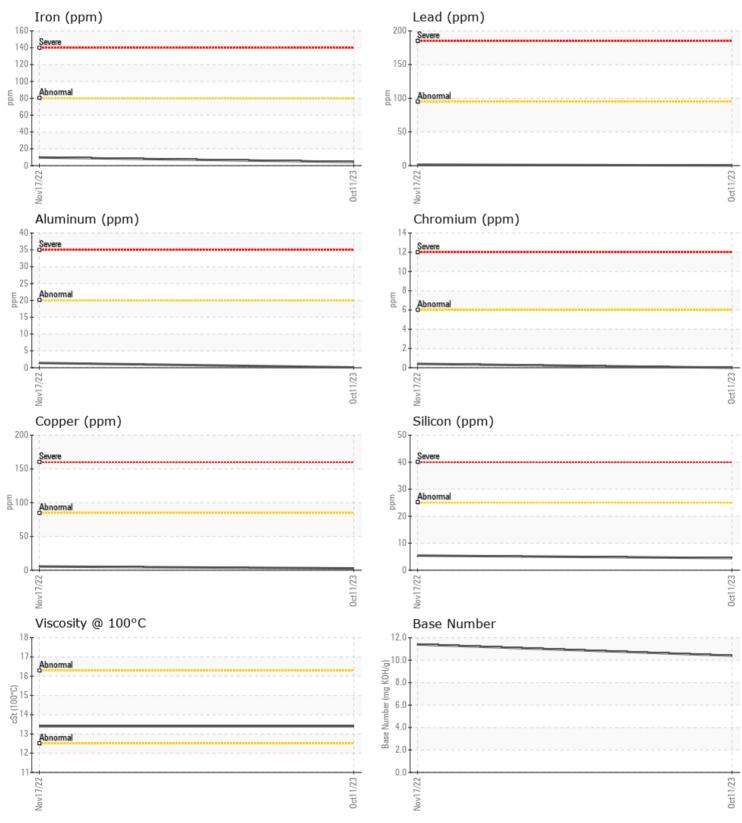
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1174336 [WUSCAR] 05980931 (Generated: 10/19/2023 08:31:56) Rev: 1

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