OIL ANALYSIS REPORT

BELLA LUNA VOLVO PENTA A355544 - PORT DIESEL ENGINE

Sample No: VPA056529

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

Sample Number		VPA056529	VPA046509	
Sample Date		31 Oct 2023	28 Mar 2023	
Machine Hours		606	552	
Oil Hours		50	50	
Oil Changed		N/A	Changed	
Sample Status		NORMAL	ATTENTION	
OIL CONDITION				
	C:	- 40 4	- 42.2	
Visc @ 100°C	cSt	∎13.4	13.3	
Base Number (BN)	mg KOH/g	■ 10.1	10.2	
Oxidation (PA)	%	54	54	
CONTAMINATION				
Soot %	%	0.3	0.2	
Nitration (PA)	%	43	43	
Sulfation (PA)	%	52	52	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	4	7	
Sodium	ppm	3	24	
Potassium	ppm	0	 <1	
WEAR METALS				
Iron	ppm	1 3	27	
Copper	ppm	5	9	
Lead	ppm	1 2	16	
Tin	ppm	0	1	
Aluminum	ppm	5	▲ 71	
Chromium	ppm	□ <1	4	
Molybdenum	ppm	56	58	
Nickel	ppm	2	1	
Titanium	ppm	0	0	
Silver	ppm	■ <1	0	
Manganese	ppm	■ <1	<1	
Vanadium	ppm	<1	<1	
ADDITIVES				
Calcium	ppm	990	1013	
Magnesium	ppm	954	930	
Zinc	ppm	1255	1190	
Phosphorus	ppm	1049	997	
			0	
Barium Boron	ppm ppm	0	2	

Outstanding Marine

PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T: E-

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:
 VP153685

 Unique No:
 10724903

 Signed:
 Sean Felton

 Report Date:
 03 Nov 2023

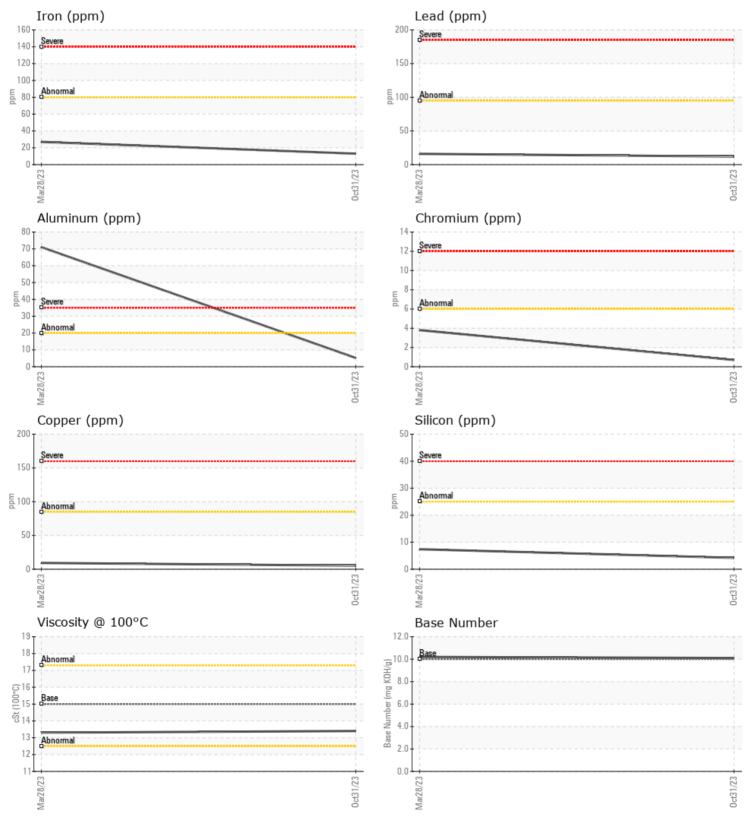
Contact/Location: Ronda Bolinger - VP153685



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153685 [WUSCAR] 05996543 (Generated: 11/03/2023 16:50:53) Rev: 1

Contact/Location: Ronda Bolinger - VP153685