OIL ANALYSIS REPORT

BELLA LUNA FISCHER PANDA BELLA LUNA (S/N NOT GIVEN) - GENSET

Sample No: VPA058509

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

Sample Number		VPA058509	VPA045323		 0
Sample Date		15 Dec 2023	28 Mar 2023		 PC
Machine Hours		0	0		 GA
Dil Hours		0	0		 US
Dil Changed		Changed	N/A		 C
ample Status		NORMAL	NORMAL		 rlv
OIL CONDITION					T: F:
′isc @ 100°C	cSt	14.0	13.1		 г.
Base Number (BN)	mg KOH/g	10.2	9.9		
Dxidation (PA)	%	44	59		 D
CONTAMINATION					F
					a
Water	%	NEG	NEG		 а
Soot %	%	0.1	0.1		 re
Nitration (PA)	%	35	49		 а
Sulfation (PA)	%	55	54		 c tl
Glycol	%	NEG	NEG		 u
uel	%	<1.0	<1.0		
Silicon	ppm	16	14		
Sodium	ppm	0	2		
Potassium	ppm	 <1	 < 1		
WEAR METALS					
ron	ppm	■ <1	2		
Copper	ppm		1		
.ead	ppm	0	0		
īn	ppm	0	0		
Aluminum	ppm	□ <1	1		
Chromium	ppm	0	<1		
Aolybdenum	ppm	38	58		
Nickel	ppm	0	□ <1	_	
itanium	ppm	0	0		
Silver		0	0		
Manganese	ppm	□ <1	0		
3	ppm	0	<1		
ranaulum	ppm	0	<		 _
ADDITIVES					
Calcium	ppm	684	1013		
Magnesium	ppm	686	909		
Zinc	ppm	853	1183		
Phosphorus	ppm	1108	974		
Barium	ppm	0	0		
Januaria					

Signed:

Report Date:

VP153685

10792803

Don Baldridge

20 Dec 2023

Report Id: VP153685 [WUSCAR] 06037574 (Generated: 12/22/2023 09:53:14) Rev: 1

Outstanding Marine PO Box 274

GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T: F:

Diagnosis

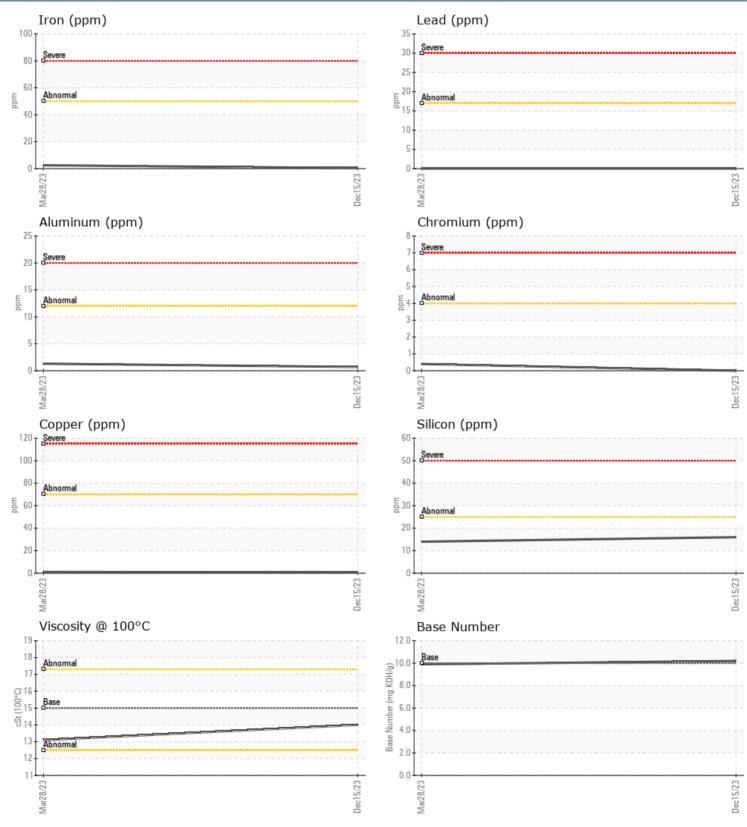
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Ronda Bolinger - VP153685