OIL ANALYSIS REPORT

NADINE URCIUOLI TRANS BAY CABLE VOLVO PENTA A 1166292 - STARBOARD DIESEL ENGINE

Sample No: VPA053163

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

ample Number		VPA053163	 	
ample Date		29 Apr 2024	 	
Aachine Hours		50	 	
Dil Hours		50	 	
Dil Changed		Changed	 	
ample Status		NORMAL	 	
OIL CONDITION				
/isc @ 100°C	cSt	13.48	 	
ase Number (BN)	mg KOH/g	9.9	 	
Dxidation (PA)	%	56	 	
CONTAMINATION				
	0/			
Vater	%	NEG	 	
ioot %	%	0.1	 	
Nitration (PA)	%	42	 	
Sulfation (PA)	%	52	 	
Slycol	%	NEG	 	
uel	%	<1.0	 	
ilicon	ppm	■ 19	 	
odium Potassium	ppm	4	 	
otassium	ppm	3	 	
WEAR METALS				
ron	ppm	9	 	
Copper	ppm	1 3	 	
ead	ppm	3	 	
in	ppm	2	 	
luminum	ppm	3	 	
hromium	ppm		 	
/lolybdenum	ppm	56	 	
lickel	ppm	1	 	
itanium	ppm	□ <1	 	
ilver	ppm	0	 	
langanese	ppm	∎1	 	
'anadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1152	 	
/lagnesium	ppm	863	 	
linc	ppm	1140	 	
hosphorus	ppm	902	 	
nosphorus				
Barium	ppm	0	 	

VP152741 11019152 Doug Bogart Report Date: 08 May 2024

Contact/Location: NADINE URCIUOLI - VP152741

arine Service reet , CA 545 DINE URCIUOLI ELMUTSMARINE.COM

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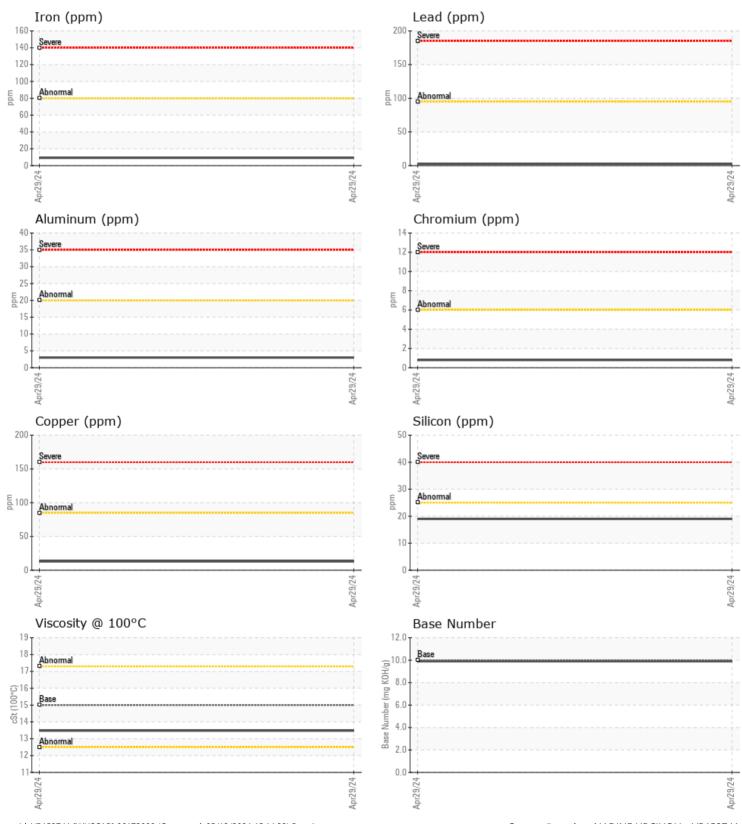
ve action is recommended Resample at the next rval to monitor.All wear rates are normal. indication of any ion in the oil. The BN ates that there is suitable maining in the oil. The the oil is acceptable for service.



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GRAPHS



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