OIL ANALYSIS REPORT

SWEET SPOT 20132021663 - STARBOARD DIESEL ENGINE

Sample No: VPA060906

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

Sample Number		VPA060906	 	
Sample Date		03 May 2024	 	
Machine Hours		798	 	
Dil Hours		798	 	
il Changed		Changed	 	
ample Status		NORMAL	 	
OIL CONDITION				
isc @ 100°C	cSt	12.8	 	
ase Number (BN)	mg KOH/g	8.9	 	
xidation (PA)	%	59	 	
CONTAMINATION				
Vater	%	NEG	 	
oot %	%	■1.1	 	
litration (PA)	%	68	 	
ulfation (PA)	%	58	 	
ilycol	%	NEG	 	
uel	%	<1.0	 	
ilicon	ppm	∎11	 	
odium	ppm	0	 	
otassium	ppm	8	 	
WEAR METALS				
		= 24		
on	ppm	24	 	
opper	ppm	5	 	
ead	ppm	2	 	
n Lunainuna	ppm	3	 	
luminum	ppm	4	 	
hromium	ppm	1	 	
1olybdenum	ppm	65	 	
lickel itanium	ppm	■ <1	 	
	ppm	■ <1	 	
lver	ppm	0	 	
langanese	ppm	■<1	 	
anadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1158	 	
	ppm	931	 	
-	ppm	1212	 	
inc				
inc hosphorus	ppm	1070	 	
Aagnesium inc hosphorus arium oron		1070 2 5	 	

IRS - MOBILE MARINE KEY WEST

0 1ST AVE, UNIT 4 WEST, FL 33040 ntact: Matt Graf

agnosis

sample at the next service interval monitor.All component wear rates normal. There is no indication of contamination in the oil. The BN ult indicates that there is suitable alinity remaining in the oil. The ndition of the oil is acceptable for time in service.

Contact/Location: WebCheck under VP99482464 - Matt Graf - VP543258

Report Date:

VP543258

11022895 Sean Felton

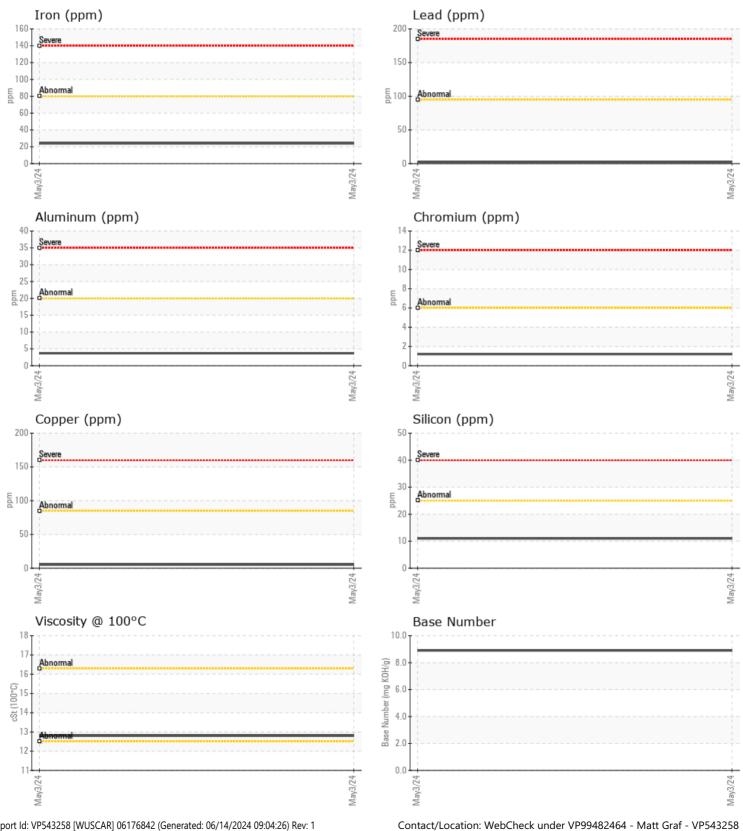
14 May 2024



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP543258 [WUSCAR] 06176842 (Generated: 06/14/2024 09:04:26) Rev: 1