## **OIL ANALYSIS REPORT**

### SWEET HOPE 23-2793 VOLVO PENTA A726954 - PORT DIESEL ENGINE

Sample No: VPA057048

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

Sample Number		VPA057048	VPA042818	 	
Sample Date		14 Dec 2023	06 Mar 2023	 	
Aachine Hours		274	257	 	
)il Hours		20	0	 	
il Changed		Changed	Changed	 	
ample Status		NORMAL	NORMAL	 	
OIL CONDITION					
	C .	= 12.4	= 12.2		
isc @ 100°C	cSt	<b>□</b> 13.4	13.3	 	
ase Number (BN)	, , ,	9.2	10.1	 	
xidation (PA)	%	52	53	 	
CONTAMINATION					
/ater	%	NEG	NEG	 	
oot %	%	0.1	0.1	 	
litration (PA)	%	38	46	 	
ulfation (PA)	%	50	51	 	
ilycol	%	NEG	NEG	 	
uel	%	<1.0	<1.0	 	
ilicon	ppm	<b>4</b>	7	 	
odium	ppm	0	□ <1	 	
otassium	ppm	<b>□</b> <1	0	 	
WEAR METALS					
on	ppm	8	14	 	
opper	ppm	1	2	 	
ad	ppm	0	0	 	
'n	ppm	<b>  </b> <1	0	 	
luminum	ppm	<b></b> <1	<b></b> < 1	 	
hromium	ppm	0	<1	 	
lolybdenum	ppm	55	47	 	
lickel	ppm	0	<1	 	
itanium	ppm	0	0	 	
ilver	ppm	0	0	 	
langanese	ppm	■ <1	<b></b> <1	 	
anadium	ppm	0	0	 	
ADDITIVES					
Calcium	ppm	980	1053	 	
/lagnesium	ppm	958	867	 	
linc	ppm	1237	1091	 	
hosphorus	ppm	975	890	 	
arium	ppm	0	0	 	
loron	ppm	2	16	 	

**Dutstanding Marine** PO Box 274

GALENA, MD JS 21635 Contact: Ronda Bolinger lwb@verizon.net Γ: ÷

#### 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.

Contact/Location: Ronda Bolinger - VP153685

Signed:

Report Date:

VP153685

10792785

Don Baldridge

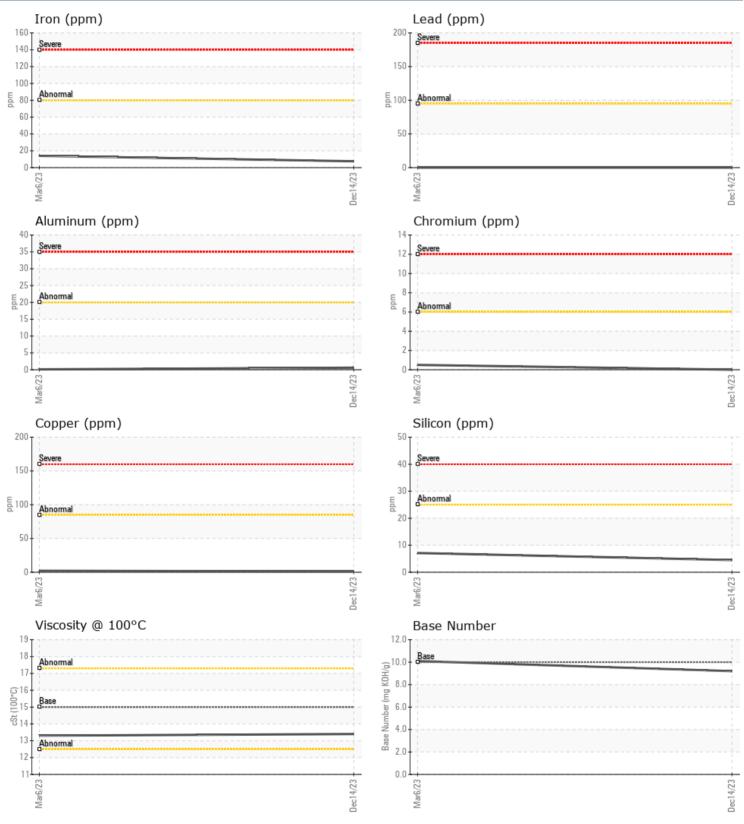
20 Dec 2023



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP153685 [WUSCAR] 06037556 (Generated: 12/22/2023 09:40:43) Rev: 1

Contact/Location: Ronda Bolinger - VP153685