OIL ANALYSIS REPORT

VOLVO PENTA 7011366155 - STARBOARD DIESEL ENGINE NADINE URCIUOLI OUTER LIMITS

Sample No: VPA055241

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

ample Number	VPA055241	 	
ample Date	01 Aug 2023	 	
Aachine Hours	10907	 	
Dil Hours	10907	 	
Dil Changed	Not Changd	 	
ample Status	ATTENTION	 	
OIL CONDITION			
/isc @ 100°C cSt	12.35	 	
ase Number (BN) mg KOH/g		 	
Dxidation (PA) %	48	 	
CONTAMINATION			
oot % %	0.1	 	
litration (PA) %	58	 	
Sulfation (PA) %	48	 	
Slycol %	NEG	 	
uel %	<1.0	 	
ilicon ppm	3	 	
odium ppm	3	 	
Potassium ppm	3	 	
WEAR METALS	3	 	
Copper ppm	1 2	 	
ead ppm 	■<1	 	
in ppm	0	 	
luminum ppm	■<1	 	
Chromium ppm	0	 	
Nolybdenum ppm	12	 	
lickel ppm	0	 	
itanium ppm	■<1	 	
ilver ppm	0	 	
Aanganese ppm	■ <1	 	
anadium ppm	<1	 	
ADDITIVES			
Calcium ppm	1336	 	
/agnesium ppm	783	 	
Cinc ppm	888	 	
hosphorus ppm	738	 	
Barium ppm Boron ppm	0 79		

Marine Service

Street AEL, CA 1-3545 NADINE URCIUOLI HELMUTSMARINE.COM

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e at the next service interval or.All component wear rates al. There is no indication of amination in the oil. The oil is lower than normal. The indicates that there is alkalinity remaining in the oil. oil type.

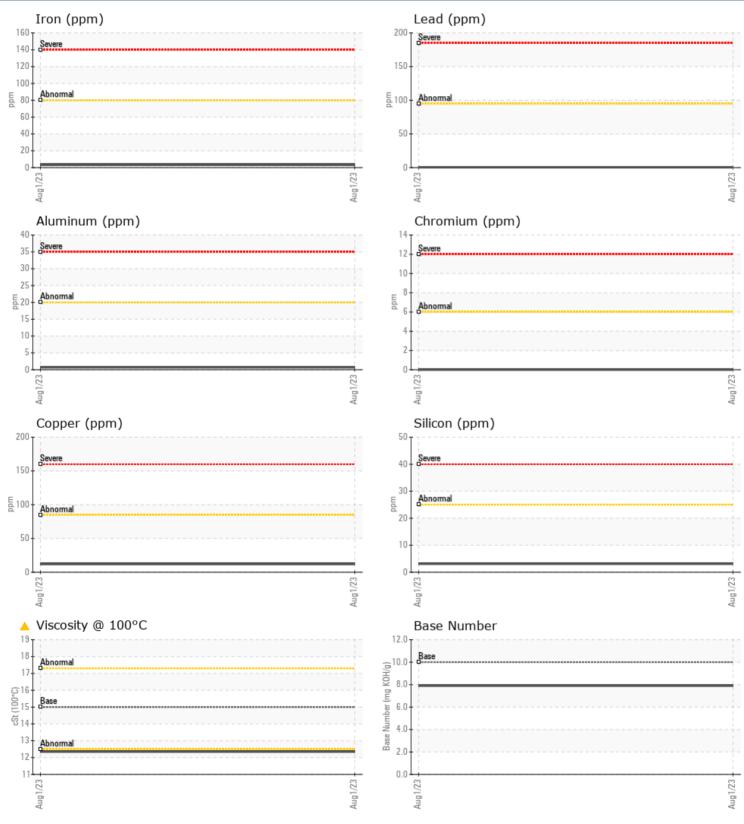
VP152741 10588452 o: Signed: Doug Bogart Report Date: 04 Aug 2023

Contact/Location: NADINE URCIUOLI - VP152741

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP152741 [WUSCAR] 05916538 (Generated: 08/08/2023 15:45:47) Rev: 1

Contact/Location: NADINE URCIUOLI - VP152741