OIL ANALYSIS REPORT

CUMMINS 73817199 - STARBOARD DIESEL ENGINE

Sample No:VPA052640Oil Type:{unknown}

SAMPLE INFORMATION Sample Number VPA052640 27 Jun 2024 Sample Date Machine Hours 0 0 Oil Hours Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.5 Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 74 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 66 % Sulfation (PA) 57 % Glycol NEG % Fuel <1.0 Silicon 7 ppm Sodium ppm 2 Potassium 0 🔲 ppm WEAR METALS

Iron	ppm	20	 	
Copper	ppm	12	 	
Lead	ppm	0	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	36	 	
Nickel	ppm	0	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

ADDITIVES				
Calcium	ppm	1539	 	
Magnesium	ppm	682	 	
Zinc	ppm	1040	 	
Phosphorus	ppm	867	 	
Barium	ppm	0	 	
Boron	ppm	55	 	

ALL SYSTEMS MARINE

3910 WEST NAVY BLVD PENSACOLA, FL US 32507 Contact: TRISTAN JOHNSON allsystemsmarine@yahoo.com T: (228)218-7963 F:

VOLVO PENTA

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 suitable for further service.

Depot: Unique No: Signed: Report Date:

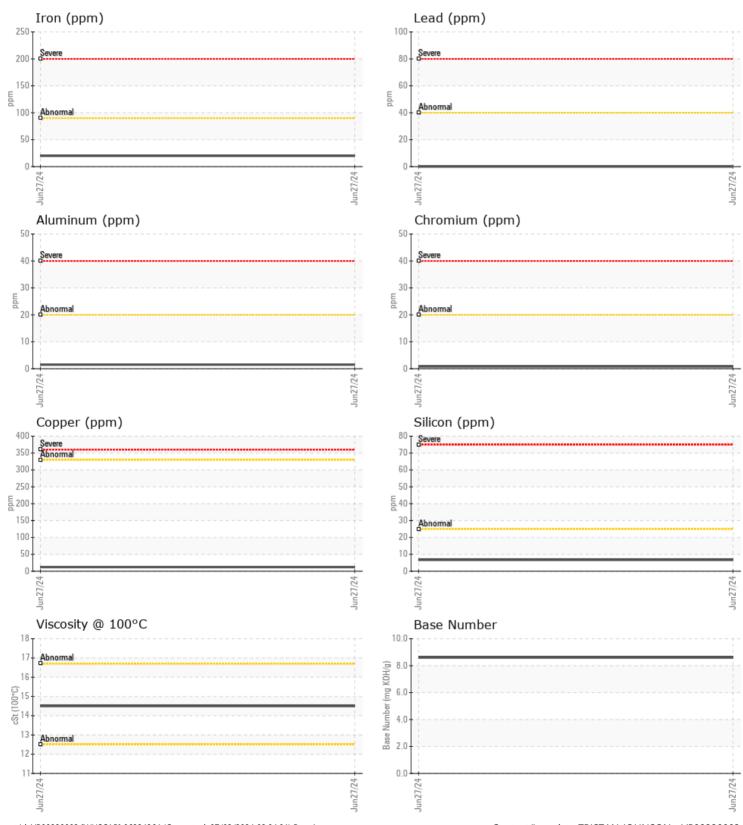
11102461 Jonathan Hester 02 Jul 2024

VP99220003

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP99220003 [WUSCAR] 06224264 (Generated: 07/03/2024 02:04:01) Rev: 1

Contact/Location: TRISTAN JOHNSON - VP99220003