OIL ANALYSIS REPORT

VOLVO Penta

ZF 20019861 - INBOARD - STARBOARD GEARBOX

Sample No:	VPA055312		
Oil Type:	{unknown}		

SAMPLE INFORMATION VPA055312 Sample Number 01 Feb 2024 Sample Date Machine Hours 0 0 **Oil Hours** Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 91.0 CONTAMINATION % Water NEG Silicon ppm 12 Sodium 8 ppm Potassium ppm 8 WEAR METALS PO 71 153 Iron ppm Copper ppm **1094** Lead **164** ppm Tin 4 ppm

Aluminum ppm **133** Chromium ppm 2 Molybdenum 3 ppm Nickel ppm 7 Titanium ppm <1 Silver 0 ppm 3 Manganese ppm Vanadium <1 ppm

ADDITIVES				
Calcium	ppm	2643	 	
Magnesium	ppm	490	 	
Zinc	ppm	1741	 	
Phosphorus	ppm	1529	 	
Barium	ppm	7	 	
Boron	ppm	107	 	

Monmouth Marine Engines Inc 536 UNION LN BRIELLE, NJ US 08730-1421 Contact: Kenneth Mika monmouthmarine@gmail.com T: x: F: x:

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.Wear rates appear high for OEM. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP153457

 Unique No:
 11002483

 Signed:
 Doug Bogart

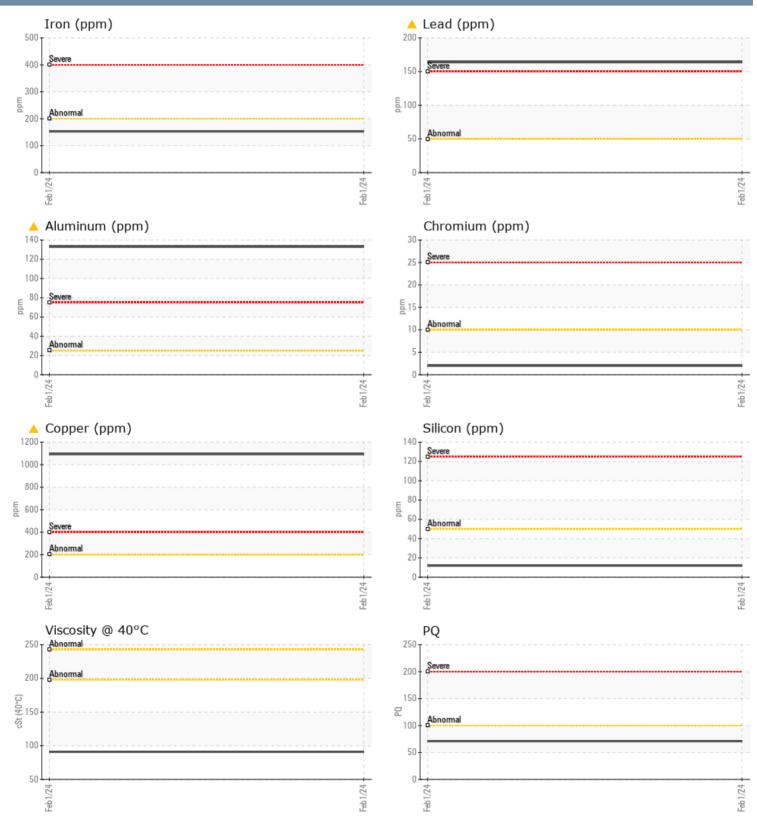
 Report Date:
 30 Apr 2024

 Contact/Location: Kenneth Mika - VP153457

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GRAPHS



Report Id: VP153457 [WUSCAR] 06161764 (Generated: 04/30/2024 11:35:19) Rev: 1

Contact/Location: Kenneth Mika - VP153457