



MURTAGH MURTAGH VOLVO PENTA A 1049737 - PORT DIESEL ENGINE

Sample No: VPA059793

Oil Type: VOLVO PENTA SAE 15W40

Glycol % NEG Fuel % <1.0 Silicon ppm 5 Sodium ppm 0 WEAR METALS Iron ppm 14 Copper ppm 2 Lead ppm <1 Lead ppm <1 Aluminum ppm 2 Aluminum ppm - 1 Molybdenum ppm - 1 Mickel ppm - 1 Silver ppm - 1 <					
Sample Number	SAMPLE INFORMAT	TION			
Sample Date 07 May 2024			VD4050702		
Machine Hours 247 <					
Oil Changed	•		-		
Oil Changed Sample Status NORMAL					
NORMAL					
Oil Condition			_		
Visc @ 100°C	Sample Status		NORWIAL	 	
Base Number (BN) mg KOH/g	OIL CONDITION				
Oxidation (PA) % 54	Visc @ 100°C	cSt	13.6	 	
Vater	Base Number (BN)	mg KOH/g	■9.9	 	
Neg	Oxidation (PA)	%	54	 	
Neg	CONTAMINATION				
Soot %	LUNTAMINATION				
Nitration (PA)	Water	%	NEG	 	
Sulfation (PA)	Soot %	%	■ 0.1	 	
Glycol % NEG Fuel % <1.0	Nitration (PA)	%	43	 	
Fuel % < <1.0	Sulfation (PA)	%	50	 	
Silicon ppm 5 Sodium ppm 0 Potassium ppm 2 WEAR METALS Iron ppm 14 Copper ppm 2 Lead ppm 1 Aluminum ppm 2 Aluminum ppm 2 Chromium ppm 62 Molybdenum ppm 62 Nickel ppm 1 Titanium ppm 0 Manganese ppm 1 Vanadium ppm 1077	Glycol	%	NEG	 	
Sodium ppm 0 <td>Fuel</td> <td>%</td> <th><1.0</th> <td> </td> <td></td>	Fuel	%	<1.0	 	
WEAR METALS Iron ppm 14 -	Silicon	ppm	5	 	
Iron	Sodium	ppm	■ 0	 	
Iron	Potassium	ppm	2	 	
Iron	WEAR METALS				
Copper ppm 2 <td></td> <td></td> <th></th> <td></td> <td></td>					
Lead ppm Image: square sq			_	 	
Tin ppm				 	
Aluminum ppm 2 Chromium ppm <1				 	
Chromium ppm Molybdenum ppm 62 Nickel ppm 1 <					
Molybdenum ppm 62 Nickel ppm <1			_	 	
Nickel ppm <		ppm		 	
Titanium ppm			_	 	
Silver ppm 0 Manganese ppm <1			_	 	
Manganese ppm <1				 	
Vanadium ppm <1 ADDITIVES Calcium ppm 1077 Magnesium ppm 953 Zinc ppm 1250 Phosphorus ppm 1170 Barium ppm 2				 	
ADDITIVES Calcium ppm 1077 Magnesium ppm 953 Zinc ppm 1250 Phosphorus ppm 1170 Barium ppm 2			_	 	
Calcium ppm 1077 Magnesium ppm 953 Zinc ppm 1250 Phosphorus ppm 1170 Barium ppm 2	Vanadium	ppm	<1	 	
Magnesium ppm 953 Zinc ppm 1250 Phosphorus ppm 1170 Barium ppm 2	ADDITIVES				
Magnesium ppm 953 Zinc ppm 1250 Phosphorus ppm 1170 Barium ppm 2	Calcium	ppm	1077	 	
Zinc ppm 1250 </td <td></td> <td></td> <th></th> <td> </td> <td></td>				 	
Phosphorus ppm 1170 Barium ppm 2				 	
Barium ppm 2				 	
	Boron	ppm	O	 	

Suncoast Diesel Marine Inc.

610 Mount Vernan St OLDSMAR, FL US 34677 Contact: MARK WARREN oldsmar@suncoastdmi.com T: (813)475-5942 F: (813)475-5943

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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:VP945077Unique No:11022878Signed:Sean FeltonReport Date:14 May 2024

OIL ANALYSIS REPORT



