



NOT GIVEN VPA052421 - STARBOARD IPS

Sample No: VPA052421
Oil Type: {unknown}

Sample Number Sample Date 06 May 2024 Machine Hours 0	SAMPLE INFORMA	ATION			
Sample Date 06 May 2024		IIION	VD4.052.424		
Machine Hours 0					
Oil Hours 0	•				
Oil Changed Sample Status N/A NORMAL					
Sample Status					
Visc @ 40°C CSt 102					
Visc @ 40°C cSt 1102 CONTAMINATION Water % NEG Silicon ppm 4 Sodium ppm 2 VEAR METALS WEAR METALS PQ 21 Iron ppm 49 Copper ppm 6 Copper ppm 41 Lead ppm 41 Aluminum ppm 2 Molybdenum ppm 41 Mickel ppm 4	Sample Status		NORIVIAL	 	
Vater	OIL CONDITION				
Neg Neg	Visc @ 40°C	cSt	■ 102	 	
Silicon ppm 4 <td< td=""><td>CONTAMINATION</td><td></td><td></td><td></td><td></td></td<>	CONTAMINATION				
Silicon ppm 4 <td< td=""><td></td><td>%</td><td>NEG</td><td> </td><td></td></td<>		%	NEG	 	
Sodium			4	 	
WEAR METALS PQ 21 Iron ppm 49 Copper ppm 6 Lead ppm <1	Sodium		2	 	
WEAR METALS PQ 21	Potassium		■ 3	 	
Tron					
Copper ppm 6 <td></td> <td></td> <td>_</td> <td></td> <td></td>			_		
Lead ppm < 1 Tin ppm < 1					
Tin ppm <1 Aluminum ppm 2			-		
Aluminum ppm 2					
Chromium ppm					
Molybdenum ppm <1			_		
Nickel ppm <1			_		
Titanium ppm <1	•				
Silver ppm 0 Manganese ppm 4 Vanadium ppm 0 ADDITIVES Calcium ppm 19 Magnesium ppm 136 Zinc ppm 4 Phosphorus ppm 1461 Barium ppm 0			_		
Manganese ppm 4					
Vanadium ppm 0 ADDITIVES Calcium ppm 19 Magnesium ppm 136 Zinc ppm 4 Phosphorus ppm 1461 Barium ppm 0			-		
ADDITIVES Calcium ppm 19 Magnesium ppm 136 Zinc ppm 4 Phosphorus ppm 1461 Barium ppm 0	3		-		
Calcium ppm 19 Magnesium ppm 136 Zinc ppm 4 Phosphorus ppm 1461 Barium ppm 0	variaululli	hhiii	U	 	
Magnesium ppm 136 -	ADDITIVES				
Magnesium ppm 136 -	Calcium	ppm	19	 	
Zinc ppm 4 Phosphorus ppm 1461 Barium ppm 0			136	 	
Barium ppm 0	Zinc		4	 	
Barium ppm 0	Phosphorus		1461	 	
			0	 	
	Boron		410	 	

MELBOURNE MARINE DIESEL

MELBOURNE, FL US Contact: SERVICE MANAGER info@melbournemarinediesel.com T: (321)425-2517 F:

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 condition of the oil is acceptable for the time in service.

Depot:VP1222400Unique No:11017747Signed:Don BaldridgeReport Date:09 May 2024

OIL ANALYSIS REPORT



