



THOMAS GOAR SAM ZF 20366601 - INBOARD - PORT GEARBOX

Sample No: VPA055006
Oil Type: SAE 30W

Sample Number					
Sample Date 07 Aug 2023	SAMPLE INFORMA	ATION			
Sample Date 07 Aug 2023	Sample Number		VDAGEGGG		
Machine Hours 104					
Oil Hours 0	•				
Oil Changed Sample Status Changed ABNORMAL					
Sample Status					
OIL CONDITION CONTAMINATION Silicon ppm △ 21					
Visc @ 40°C cSt 881.7 <th< td=""><td>Sample Status</td><td></td><td>ADNORIVIAL</td><td> </td><td></td></th<>	Sample Status		ADNORIVIAL	 	
CONTAMINATION Silicon	OIL CONDITION				
Silicon ppm 21 <	Visc @ 40°C	cSt	■81.7	 	
Silicon ppm 21 <	CONTAMINATION				
Sodium ppm 0 <td></td> <td></td> <td>A 21</td> <td></td> <td></td>			A 21		
Potassium ppm 2 WEAR METALS PQ 26 Iron ppm 21 Copper ppm 44 Lead ppm 2 Tin ppm 4 Aluminum ppm 4 Chromium ppm 25 Molybdenum ppm <1					
WEAR METALS PQ 26 Iron ppm 21 Copper ppm 44 Lead ppm 2 Tin ppm 4 Aluminum ppm 4 Chromium ppm 25 Molybdenum ppm 25 Nickel ppm 3 Titanium ppm 0 Silver ppm 0 Vanadium ppm 0 Vanadium ppm 3253 ADDITIVES Zinc ppm 1015 Phosphorus ppm 882 Barium ppm			_		
PQ	Potassium	ppm		 	
Iron	WEAR METALS				
Copper ppm ■ 44	PQ		■ 26	 	
Lead ppm 2	Iron	ppm	21	 	
Tin ppm	Copper		44	 	
Aluminum ppm 4 Chromium ppm <1	Lead	ppm	2	 	
Aluminum ppm	Tin	ppm	-<1	 	
Molybdenum ppm 25 Nickel ppm <1	Aluminum		<u> 4</u>	 	
Nickel ppm 1 <	Chromium	ppm	-<1	 	
Nickel ppm 1 <	Molybdenum		■25	 	
Titanium ppm 0 Silver ppm 0 Manganese ppm <1	•		 <1	 	
Silver ppm 0 Manganese ppm <1 Vanadium ppm 0 ADDITIVES Calcium ppm 3253 Magnesium ppm 56 Zinc ppm 1015 Phosphorus ppm 882 Barium ppm 2	Titanium		O	 	
Manganese ppm <1	Silver		0	 	
Vanadium ppm 0 ADDITIVES Calcium ppm 3253 Magnesium ppm 56 Zinc ppm 1015 Phosphorus ppm 882 Barium ppm 2	Manganese		-<1	 	
Calcium ppm 3253 Magnesium ppm 56 Zinc ppm 1015 Phosphorus ppm 882 Barium ppm 2	9		0	 	
Calcium ppm 3253 Magnesium ppm 56 Zinc ppm 1015 Phosphorus ppm 882 Barium ppm 2	ANNITIVES				
Magnesium ppm 56 Zinc ppm 1015 Phosphorus ppm 882 Barium ppm 2			=2252		
Zinc ppm 1015 Phosphorus ppm 882 Barium ppm 2			_		
Phosphorus ppm 882 Barium ppm 2	-		_		
Barium ppm 2					
	•		_		
Boron ppm 271					
	Roron	ppm	■ 271	 	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703

Diagnosis

F: (206)784-8823

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot:VP794951Unique No:10603647Signed:Sean FeltonReport Date:15 Aug 2023

OIL ANALYSIS REPORT



