



## ZF 20005191 - STARBOARD TRANSMISSION

Sample No: VPA049539
Oil Type: SAE 30W

Sample Number   Sample Date   O9 May 2024	SAMPLE INFORMAT	ION			
Sample Date	mple Number		VPA049539	 	
Machine Hours         0 <th< td=""><td>•</td><td></td><th>09 May 2024</th><td> </td><td></td></th<>	•		09 May 2024	 	
Oil Changed Sample Status         N/A NORMAL <th< td=""><td>·</td><td></td><th></th><td> </td><td></td></th<>	·			 	
Sample Status	l Hours		0	 	
OIL CONDITION           CONTAMINATION           Water         %         NEG  <	l Changed		N/A	 	
Visc @ 40°C         cSt         992.1 <th< th=""><th>mple Status</th><th></th><th>NORMAL</th><th> </th><th></th></th<>	mple Status		NORMAL	 	
Vater	OIL CONDITION				
Water         %         NEG <td>sc @ 40°C</td> <td>cSt</td> <th>■92.1</th> <td> </td> <td></td>	sc @ 40°C	cSt	■92.1	 	
Solium         ppm         12              Potassium         ppm         0              WEAR METALS           PQ         41              Iron         ppm         32              Copper         ppm         0              Lead         ppm         0              Tin         ppm         0              Aluminum         ppm         8              Aluminum         ppm         0              Molybdenum         ppm         0              Nickel         ppm         0              Silver         ppm         0              Vanadium         ppm         0              ADDITIVES	ONTAMINATION				
Solium         ppm         12              Potassium         ppm         0              WEAR METALS           PQ         41              Iron         ppm         32              Copper         ppm         0              Lead         ppm         0              Tin         ppm         0              Aluminum         ppm         8              Aluminum         ppm         0              Molybdenum         ppm         0              Nickel         ppm         0              Silver         ppm         0              Vanadium         ppm         0              ADDITIVES	ater	%	NEG	 	
Sodium         ppm         2 <td></td> <td></td> <th><b>12</b></th> <td> </td> <td></td>			<b>12</b>	 	
Potassium         ppm         0              WEAR METALS           PQ         41              Iron         ppm         32              Copper         ppm         52               Lead         ppm         0               Itin         ppm         31               Aluminum         ppm         8	dium		<b>■</b> 2	 	
WEAR METALS         PQ       41	tassium	ppm	<b>■</b> 0	 	
Iron	WEAR METALS				
Copper         ppm         52 </td <td>Q</td> <td></td> <th><b>41</b></th> <td> </td> <td></td>	Q		<b>41</b>	 	
Lead       ppm       0		ppm	■32	 	
Tin         ppm         -1              Aluminum         ppm         8              Chromium         ppm         0              Molybdenum         ppm         50               Nickel         ppm         0               Silver         ppm         0               Manganese         ppm         0               ADDITIVES                 Magnesium         ppm         0	pper	ppm	_	 	
Aluminum	ad	ppm	■0	 	
Chromium         ppm         0              Molybdenum         ppm         50              Nickel         ppm         0              Titanium         ppm         0              Silver         ppm         0              Manganese         ppm         0              Vanadium         ppm         0              ADDITIVES           Calcium         ppm         3754              Magnesium         ppm         0		ppm	<b>■</b> <1	 	
Molybdenum         ppm		ppm	_	 	
Nickel         ppm         0              Titanium         ppm         0              Silver         ppm         0              Manganese         ppm         0              Vanadium         ppm         0              ADDITIVES           Calcium         ppm         3754              Magnesium         ppm         0		ppm	_	 	
Titanium		ppm	_	 	
Silver         ppm         0              Manganese         ppm         <1		ppm	-	 	
Manganese         ppm               Vanadium         ppm         0               ADDITIVES         Calcium         ppm         3754               Magnesium         ppm         0			_		
Vanadium         ppm         0              ADDITIVES           Calcium         ppm         3754              Magnesium         ppm         0			-		
ADDITIVES  Calcium ppm 3754  Magnesium ppm 0	9				
Calcium         ppm         3754              Magnesium         ppm         0	ınadium	ppm	0	 	
Magnesium ppm ■0	ZAVITIDDA				
	llcium	ppm	<b>■3754</b>	 	
Zinc ppm <b>1208</b>	agnesium	ppm	<b>■</b> 0	 	
	•		<b>1208</b>	 	
Phosphorus ppm <b>1109</b>	osphorus	ppm	<b>1109</b>	 	
Barium ppm <b>0</b>	rium	ppm	■0	 	
Boron ppm <b>528</b>	ron	ppm	<b>■528</b>	 	

## **MYRIAD MARINE**

2 CIVIC CENTER DR, SUITE 4112 SAN RAFEAL, CA US 94903 Contact: SEAN CORBETT sean@myriadmarine.com T: F:

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot:VPMYRSANUnique No:11034498Signed:Sean FeltonReport Date:21 May 2024

## **OIL ANALYSIS REPORT**



