



36551RB70-01 TWIN DISC 2355303 - INBOARD - STARBOARD GEARBOX

Sample No: VPA034280
Oil Type: SHELL 40

Sample Number	SAMPLE INFORM	ATION			
Sample Date 12 Mar 2024	Sample Number		VPA034280	 	
Machine Hours 0				 	
Oil Changed Sample Status Changed NORMAL	•		1138	 	
Sample Status	Oil Hours		0	 	
Sample Status	Oil Changed		Changed	 	
Visc @ 40°C cSt 59.6	_			 	
Vater	OIL CONDITION				
Water % NEG Silicon ppm 9 9	Visc @ 40°C	cSt	■ 59.6	 	
Silicon ppm 9 <td< td=""><td>CONTAMINATION</td><td>1</td><td></td><td></td><td></td></td<>	CONTAMINATION	1			
Silicon ppm 9 <td< td=""><td>Water</td><td>%</td><td>NEG</td><td> </td><td></td></td<>	Water	%	NEG	 	
Sodium		ppm	■ 9	 	
Potassium ppm 10 WEAR METALS PQ 30 Iron ppm 63 Copper ppm 64 Lead ppm 6 Tin ppm 6 Aluminum ppm 6 Chromium ppm 14 Molybdenum ppm 14 Mickel ppm 11 Silver ppm 0 Silver ppm 0 Vanadium ppm 2771 ADDITIVES Calcium ppm	Sodium			 	
WEAR METALS PQ 30	Potassium	ppm	10	 	
Iron	WEAR METALS				
Copper ppm 64 </td <td>PQ</td> <td></td> <td>■30</td> <td> </td> <td></td>	PQ		■30	 	
Lead ppm 6 Tin ppm <1		ppm	_	 	
Tin ppm	Copper	ppm		 	
Aluminum ppm 6 Molybdenum ppm 14	Lead	ppm	6	 	
Chromium ppm -1 Molybdenum ppm 14 Nickel ppm <1		ppm	_	 	
Molybdenum ppm 14 Nickel ppm <1		ppm	_	 	
Nickel ppm <1		ppm		 	
Titanium ppm < 1		ppm	_	 	
Silver ppm 0 Manganese ppm <1		ppm	_	 	
Manganese ppm <1					
Vanadium ppm 0 ADDITIVES Calcium ppm 2771 Magnesium ppm 31 Zinc ppm 1076 Phosphorus ppm 950 Barium ppm 0			•		
ADDITIVES Calcium ppm 2771 Magnesium ppm 31 Zinc ppm 1076 Phosphorus ppm 950 Barium ppm 0	-	ppm	· ·	 	
Calcium ppm 2771 Magnesium ppm 31 Zinc ppm 1076 Phosphorus ppm 950 Barium ppm 0	Vanadium	ppm	0	 	
Magnesium ppm 31 Zinc ppm 1076 Phosphorus ppm 950 Barium ppm 0	ADDITIVES				
Magnesium ppm 31	Calcium	ppm	2771	 	
Phosphorus ppm 950 Barium ppm 0	Magnesium	ppm	■ 31	 	
Phosphorus ppm ■950 Barium ppm ■0	Zinc		1076	 	
	Phosphorus	ppm	■ 950	 	
Boron ppm 66	Barium	ppm	■0	 	
	Boron	ppm	66	 	

GRAND BANKS

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290 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 oil. The condition of the oil is acceptable for the time in service.

Depot:VP531377Unique No:10935912Signed:Sean FeltonReport Date:21 Mar 2024

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