



ZF 20012493 - INBOARD - STARBOARD GEARBOX

Sample No: VPA020808

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORM <i>e</i>	TION			
Sample Number	ATION	VPA020808	VPA020343	
Sample Date		19 Sep 2023	18 Mar 2022	
Machine Hours		1405	1464	
Oil Hours		50	25	
Oil Changed		Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	
Sample Status		HORWAL	NORWAL	
OIL CONDITION				
Visc @ 40°C	cSt	70.8	■106	
CONTAMINATION				
Silicon	ppm	∏ 4	1 4	
Sodium	ppm	0	3	
Potassium	ppm	2	0	
	РРП			
WEAR METALS				
PQ		23	■18	
Iron	ppm	1 3	9	
Copper	ppm	40	2 4	
Lead	ppm	2	1	
Tin	ppm	-<1	- <1	
Aluminum	ppm	4	1	
Chromium	ppm	■0	<1	
Molybdenum	ppm	■25	7 0	
Nickel	ppm	0	0	
Titanium	ppm	_ <1	<1	
Silver	ppm	0	0	
Manganese	ppm	■<1	- <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	4120	2961	
Magnesium	ppm	61	156	
Zinc	ppm	■941	□960	
Phosphorus	ppm	■848	□ 930	
Barium	ppm	0	1 0	
Boron	ppm	5	13	
501011	Phili			

CAROLINA MARINE DIESEL

PO BOX 24159 HILTON HEAD, SC US 29925 Contact: KEVIN JACKSON cmdieselsc@gmail.com T: (843)830-9202 F: (843)681-9976

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:CARHILSCUnique No:10658409Signed:Jonathan HesterReport Date:25 Sep 2023

OIL ANALYSIS REPORT



