### **VOLVO PENTA**

## **OIL ANALYSIS REPORT**

### ROBIN FRASER ZF ZF - INBOARD - CENTER GEARBOX

Sample No: VPA058479

Oil Type: CHEVRON AUTOMATIC TRANS FLUID MD-3

SAMPLE INFORM	ATION			
Sample Number		VPA058479	 	
Sample Date		16 Apr 2024	 	 North Harbor Diesel Inc
Machine Hours		27	 	 720 30Th Street
Oil Hours		27	 	 ANACORTES, WA
Oil Changed		Changed	 	 US 98221
Sample Status		NORMAL	 	 Contact: ED MCFARLIN
				ed@northharbordiesel.com T:
OIL CONDITION				F:
Visc @ 40°C	cSt	22.2	 	
CONTAMINATION				Diagnosis
Water	%	NEG	 	 Resample at the next service inter
Silicon	ppm	4	 	 to monitor.All component wear ra
Sodium	ppm	 <1	 	 are normal. There is no indication any contamination in the oil. The
Potassium	ppm	0	 	 condition of the oil is acceptable
l'otassiani	ppm			the time in service.
WEAR METALS				
PQ		32	 	
ron	ppm	23	 	
Copper	ppm	<b>15</b>	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b></b> <1	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>  </b> <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	<b>3</b>	 	 _
Magnesium	ppm	1	 	
Zinc	ppm	6	 	
Phosphorus	ppm	<b>162</b>	 	
Barium	ppm	2	 	
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 Depot:
 VP179089

 Unique No:
 10994832

 Signed:
 Jonathan Hester

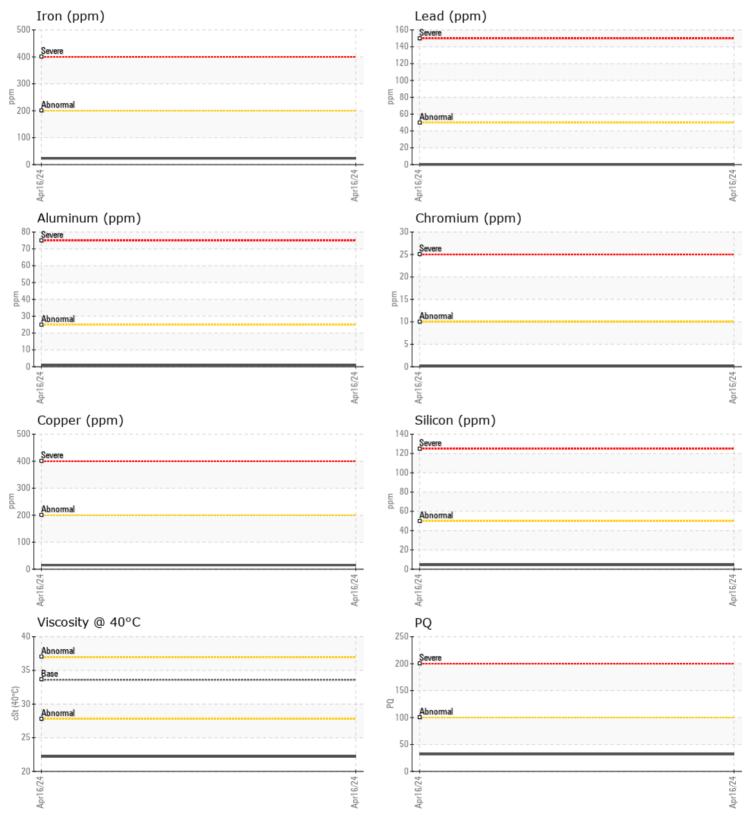
 Report Date:
 26 Apr 2024

 Contact/Location: ED MCFARLIN - VP179089

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP179089 [WUSCAR] 06159409 (Generated: 04/26/2024 11:07:56) Rev: 1

Contact/Location: ED MCFARLIN - VP179089