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 | 15 | | |
| Lead | ppm | 0 | | |
| Tin | ppm | 0 | | |
| Aluminum | ppm | <1 | | |
| Chromium | ppm | <1 | | |
| Molybdenum | ppm | 0 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | <1 | | |
| Vanadium | ppm | 0 | | |
| ADDITIVES | | | | |
| Calcium | ppm | 3 | | _ |
| Magnesium | ppm | 1 | | |
| Zinc | ppm | 6 | | |
| Phosphorus | ppm | 162 | | |
| Barium | ppm | 2 | | |
| | ۳۳۰۰۰ | | | |

 Depot:
 VP179089

 Unique No:
 10994832

 Signed:
 Jonathan Hester

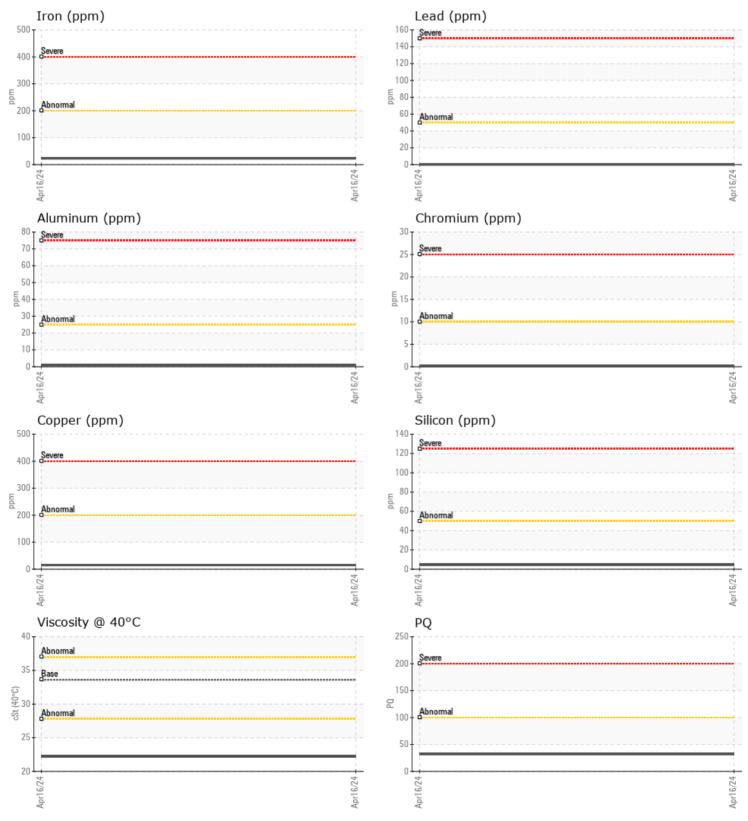
 Report Date:
 26 Apr 2024

 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