



BRAD HYNES MATTHEW DOW VOLVO PENTA 2006022192 - CENTER DIESEL ENGINE

Sample No: VPA060595

Oil Type: VALVOLINE PREMIUM BLUE

Sample Number Sample Number Sample Number 19 Oct 2023 20 Oct 2022 Machine Hours 1706 1642 Oil Hours 64 75 Oil Changed Ch	
Sample Date 19 Oct 2023 20 Oct 2022 Machine Hours 1706 1642 Oil Hours 64 75 Oil Changed Changed Changed Sample Status NORMAL NORMAL OIL CONDITION Visc @ 100°C CSt 114.4 13.2 Base Number (BN) mg KOH/g 8.9 11.4 Oxidation (PA) % 78 92 CONTAMINATION Water % NEG NEG CONTAMINATION Water % NEG NEG Soot % % 0.2 0.3 Sulfation (PA) % 75 74 Sulfation (P	
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Nitration (PA) %	
Sulfation (PA) % 60 70	
Fuel % <1.0	
Fuel % <1.0	
Silicon ppm 4 5 Sodium ppm 2 3 Potassium ppm 0 WEAR METALS Iron ppm 6 14 Copper ppm 5 7 Lead ppm <1	
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Copper ppm 5 7 Lead ppm <1	
Lead ppm <1	
Tin ppm <1	
Aluminum ppm 2 2 Chromium ppm 0 <1	
Chromium ppm 0 <1 Molybdenum ppm 43 40 Nickel ppm <1	
Molybdenum ppm 43 40 Nickel ppm <1 <1 Titanium ppm 0 0 Silver ppm 0 0	
Nickel ppm <1 Titanium ppm 0 0 Silver ppm 0 0	
Titanium ppm 0 0 Silver ppm 0 0	
Silver ppm 0 0	
Manganese ppin	
Vanadium ppm 0 0	
ADDITIVES	
Calcium ppm 1144 1638	
Magnesium ppm 798 541	
Zinc ppm 880 888	
Phosphorus ppm □ 679 742	
Barium ppm □0 □0	
Boron ppm 36 52	

Mobile Marine Services Inc

01032 Advance Rd South EAST JORDAN, MI US 49727 Contact: Duane Kujat

mobilemarine@twin-valley.net

T: Phone F:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP443016

 Unique No:
 10742657

 Signed:
 Sean Felton

 Report Date:
 16 Nov 2023

Contact/Location: Duane Kujat - VP443016

OIL ANALYSIS REPORT



