OIL ANALYSIS REPORT

ALEX PANAGOS MERCRUISER OL647745 - PORT GASOLINE ENGINE

Sample No: VPA059490

Oil Type: MERCURY 25W40

SAMPLE INFORMATION VPA059490 Sample Number Sample Date 01 Dec 2023 Machine Hours 667 **Oil Hours** 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C **11.9** cSt Base Number (BN) mg KOH/g 8.2 Oxidation (PA) % 13 CONTAMINATION NEG Water % % Soot % 0 Nitration (PA) % 7 Sulfation (PA) % 11 Glycol % NEG Fuel % **6.0** Silicon 11 ppm Sodium 0 ppm Potassium **||** <1 ppm WEAR METALS 87 Iron ppm 2 Copper ppm Lead ppm **||** < 1 Tin ■ <1 ppm Aluminum ppm 1 Chromium <1 ppm Molybdenum 51 ppm Nickel 0 ppm Titanium ppm 0 Silver 0 ppm Manganese 0 ppm Vanadium ppm 0 **ADDITIVES** 1988 Calcium ppm 10 Magnesium ppm Zinc ppm 806 707 Phosphorus ppm Barium 3 ppm Boron ppm 207 Depot:

Unique No:10778816Signed:Jonathan HesterReport Date:18 Dec 2023

VP1080862



CHICAGO YACHT WORKS

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Diagnosis

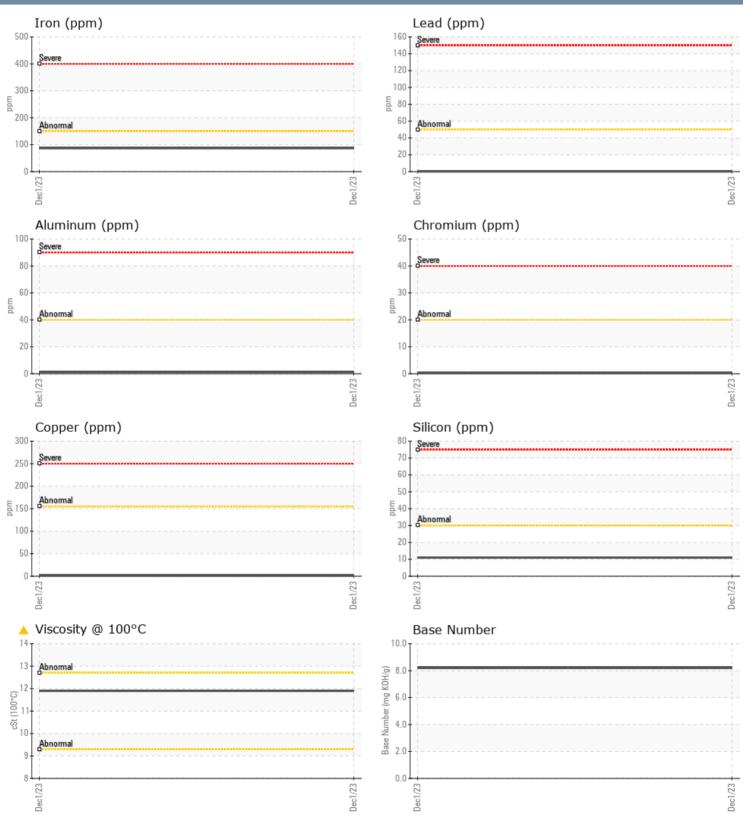
We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



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GRAPHS



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Contact/Location: JONATHAN PAIGE - VP1080862