



**PETRON**  
**PLUS™**  
**FORMULA 7**



**PETRON  
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FORMULA 7  
2-CYCLE OUTBOARD ENGINE OIL**

▶ **PART NO.'S: 72000, 72128, & 72254**

**TECHNICAL DATA SHEET**

Petron Plus™ Formula 7 Two-Cycle Outboard Motor Oil is a high performance, ashless two-cycle motor oil. Manufactured with both the high performance race boating enthusiast as well as the weekend fisherman in mind. It is formulated to meet the requirements of the National Marine Manufacturers Association TC-W III oil standards.

Meets warranty and service recommendations of Mercury, Evinrude, Johnson and other two-cycle engine manufacturers where NMMA/BIA TC-W III products are specified.

Petron Plus™ Formula 7 Two-Cycle Outboard Motor Oil is formulated with ashless additives thereby reducing engine deposits, exhaust port blocking, plug fouling and superior detergent / dispersant additives providing protection against piston ring sticking as well as piston varnish. Petron Plus™ Two-Cycle Outboard Motor Oil also incorporates anti-wear properties to insure longer life of cylinders, piston rings, and bearings.

See back for test results and oil/fuel ratios.

Available in 32 ounce bottles, 1 gallon jugs, 5 gallon pails, & 54 gallon drums.

**APPLICATIONS:**

1. Two-Cycle Outboard Engines.
2. Water cooled Engines.

**FEATURES:**

1. Meets National Marine Manufacturers Association TC-W III
2. Superior performance in high temperature engine and with unleaded regular gas
3. Has no tendency to form gel in the presence of contaminants, such as metallic sulfonates
4. Reduces engine deposit
5. Reduces pre-ignition tendency
6. Reduces plug fouling
7. Reduces smoke and emissions
8. Excellent anti-scurf control
9. Outstanding inhibition of rust and corrosion
10. Ashless

**BENEFITS:**

1. Reduces maintenance costs.
2. Faster starting.
3. Helps reduce exhaust emissions.
4. Smoother engine operation.

## ANALYTICAL TEST RESULTS:

Part No.	72000, 72128 & 72254
Flash Point, °F., ASTM D 93	205
Pour Point, °F.,	-22
TBN, ASTM D 2896,	3.78
Nitrogen, % weight (Kheldahl),	0.145
Viscosity cSt @ 100°C.,	7.4

## BENCH TEST RESULTS:

Cloud Point, °C.,	-15
Compatibility,	Pass
Brookfield (Fluidity) @ -25°C, cP, Candidate/Evaluation, (less than 7500 cP)	5740/Pass
Miscibility @ -25°C, Candidate/Reference/Evaluation, (No more than 10% more inversions than reference)	88/100/Pass
% Rust, Candidate/Reference/Evaluation, (Equal to or better than reference)	0/0.18/Pass
Filterability, % Change, Candidate/Reference/Evaluation, (Decrease in flow not greater than 20%)	+0.36/Pass

## ENGINE TEST RESULTS:

### **OMC 40 Horsepower Test (98 hours)**

Average Piston Varnish, Candidate/Reference	8.9/9.1
Top Ring Stick, Candidate/Reference	8.8/9.0
Evaluation	Pass
(Not lower than 0.6 below same ratings of reference)	

### **OMC 70 Horsepower Test (100 hours)**

Average Piston Deposits, Candidate/Reference	6.3/4.9
Second Ring Stick, Candidate/Reference	9.3/8.2
Evaluation	Pass
(Equal to or better than same ratings of reference)	

### **Mercury 15 Horsepower Test (100 hours)**

Scuffing, Candidate/Reference	100 hours
Bearing Sticking, Candidate/Reference	Pass
Compression Loss, Candidate/Reference	Pass
Overall Candidate Evaluation	Pass

### **Yamaha CE50S Tightening/Lubricity Test**

Torque Drop, lb-in, Candidate/Reference	4.78/5.88
Evaluation	Pass
(Equal to or better than reference oil)	

### **Yamaha CE50S Preignition Test (100 hours)**

Major Preignitions, Candidate/Reference	1 / 1
Evaluation	Pass
(Equal to or better than reference oil)	

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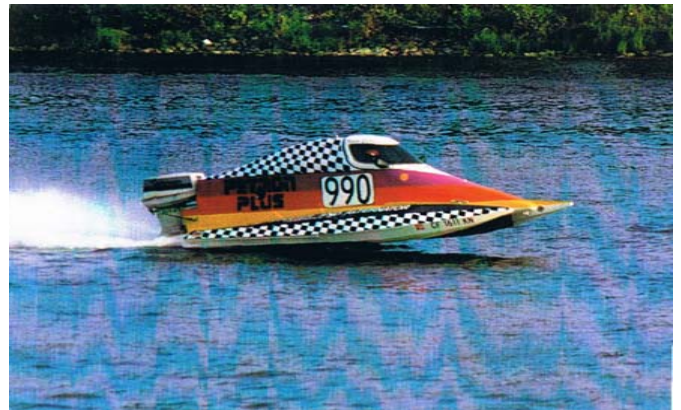
December., 2010

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# PETRON PLUS 2-CYCLE OUTBOARD ENGINE OIL

Ounces of PETRON PLUS Two-Cycle Outboard Motor Oil to Gallons of Gasoline

Ratio Fuel to Oil	<u>1 Gallon</u> Ounces	<u>2 Gallons</u> Ounces	<u>5 Gallons</u> Ounces	<u>10 Gallons</u> Ounces
11:1	11.5	23.5	58.0	116
16:1	8.0	16.0	40.0	80
24:1	5.5	10.5	26.5	53
32:1	4.0	8.0	20.0	40
40:1	3.5	6.5	16.0	32
50:1	2.5	5.0	13.0	26
100:1	1.5	3.0	7.0	13



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