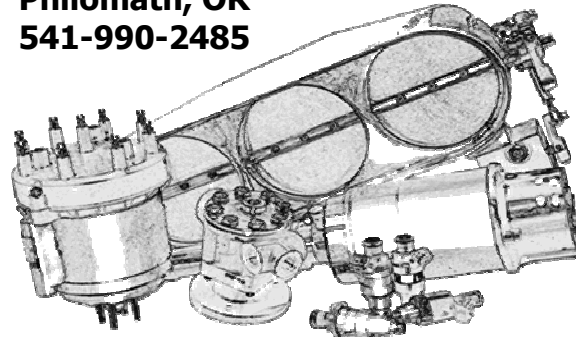




**Spud Miller  
Philomath, OR  
541-990-2485**



**Magneto Output Test Report @ 2500 Engine RPM**

**John Q. Customer  
November 25, 2006  
Mallory Super Mag IV  
Rotation: Right Hand**

	As Received	
Spark Duration	<b>26</b>	Crank deg
	<b>0.00173</b>	Seconds
Duty Cycle	<b>28.9</b>	Percent
Primary Current	<b>2.47</b>	Amps AC
Primary Voltage	<b>49.20</b>	Volts AC
Spark Voltage	<b>2,910</b>	Volts RMS
Spark Voltage	<b>9,020</b>	Volts Peak
Spark Current	<b>24.0</b>	milliAmps
Spark Energy	<b>121.0</b>	milliJoules
Power	<b>62.5</b>	Watts

	As Shipped	
Spark Duration	<b>27</b>	Crank deg
	<b>0.00180</b>	Seconds
Duty Cycle	<b>30.0</b>	Percent
Primary Current	<b>4.22</b>	Amps AC
Primary Voltage	<b>58.50</b>	Volts AC
Spark Voltage	<b>4,219</b>	Volts RMS
Spark Voltage	<b>13,080</b>	Volts Peak
Spark Current	<b>53.0</b>	milliAmps
Spark Energy	<b>402.5</b>	milliJoules
Power	<b>208.0</b>	Watts

**NOTES:**

1. Corroded components. Mag very rusty in magnet area.
2. New rare earth magnet and larger capacitor installed - Upgrade from SM II to SM IV
3. New lower bearing, bearing retainer plates, rotor drive, point plate and upper harness.
4. Windings cleaned, dried and repaired.
5. Case turned, converted to external capacitor.
6. Test numbers above achieved using included new 28900A transformer.