

III. Inspect & Service the Following: (Note what you are looking for during inspection, check with your owners manual, record readings and measurements)

- a. Air Cleaner
- b. Coolant
- c. Battery
- d. Locate and Check Fuse Panel
- e. Check Bulbs & Electrical System
- f. Check ROPS System
- g. Check Engine Oil
- h. Check Hydraulic Fluid
- i. Inspect Tires

SEE OPERATOR'S MANUAL FOR SPECS & DETAILS

Service Area	Specified Service	Report/Reading/Measurement
Air Cleaner		
	Inspect Element	
	Clean?	
	Replace?	
Coolant		
	Level of Protection?	
	Fill Level?	
Battery		
	Serviceable?	
	Load Test Reading?	
	Terminal Condition?	
	Cable Condition?	
	Other?	
Fuse Panel		
	Inspection?	
Electrical/Bulbs		
	Starting System?	
	Starting Safety Switches?	
	Head Lights?	
	Signals/Flashers?	
	Other?	
ROPS System		
	Inspection?	
Engine Oil		
	Level?	
	Inspection?	
	Change?	
Hydraulic Fluid		
	Level?	
Other Fluids		
	Level?	
	Level?	
Tires		
	Pressure?	

IV. Two-Stroke Engine Maintenance: (Complete the chart according to the owner's manual.
Place the following codes in the appropriate boxes: **I**-Inspect, **C**-Clean, **R**-Replace.)

Service Action	Before Use	Every Fueling	3 Months/ 90 Hrs.	6 Months/ 270 Hrs.	Yearly/ 600 Hrs
Carburetor					
Cylinder Exhaust Port					
Air Filter					
Choke					
Fuel Filter					
Fuel Line					
Cooling System					
Muffler					
Gear Housing					
Starter Rope					
Fuel Leaks					
Spark Plug					
Screws/Nuts/Bolts					

Answer the Following Questions From the Owner's Manual:

1. Engine Bore, Stroke, & Displacement: _____
2. Spark Plug Gap: _____
3. Minimum Octane Rating & Fuel/Oil Ratio: _____
4. Idle & Full Throttle RPM: _____
5. Choose one maintenance procedure from pages 22-23 and list the steps in the procedure.

V. Two-Stroke Engine Maintenance: (Perform the following on the chainsaw)

1. Is the fuel level acceptable for operation? *Complete the chart and give your recommendation.*
2. Is the bar oil level acceptable for operation? *Complete the chart and give your recommendation.*
3. Is the cutting chain acceptable for operation? Check the operator's manual segments. Tension and sharpness should be considered. *Complete the chart and give your recommendation.*
4. Is the cutting bar acceptable for operation? Is there excessive wear in the guides? *Complete the chart and give your recommendation.*
5. Is the air cleaner sufficiently clean for operation? *Complete the chart and give your recommendation.*
6. Is the cooling system in acceptable condition? Is there excessive particle build-up or obstructions? *Complete the chart and give your recommendation.*
7. Is the spark plug in acceptable condition for operation? Refer to owner's manual. *Complete the chart and give your recommendation.*

Service Action	Service	No Service Needed	Recommendation
Fuel Level			
Bar Oil Level			
Chain			
Cutting Bar			
Air Cleaner			
Cooling System			
Spark Plug			

VI. Four-Stroke Engine Maintenance: (Perform the following on the lawnmower)

1. Is the fuel level acceptable for operation? *Complete the chart and give your recommendation.*
2. Is the engine oil level acceptable for operation? *Complete the chart and give your recommendation.*
3. Is the blade acceptable for operation? *Complete the chart and give your recommendation.*
4. Is the deck and collection bag acceptable for operation? *Complete the chart and give your recommendation.*
5. Is the air cleaner sufficiently clean for operation? *Complete the chart and give your recommendation.*
6. Is the cooling system in acceptable condition? Are there excessive particle build-up or obstructions? *Complete the chart and give your recommendation.*
7. Is the spark plug in acceptable condition for operation? See lab handout for specifications. *Complete the chart and give your recommendation.*

Service Action	Service	No Service Needed	Recommendation
Fuel Level			
Engine Oil Level			
Blade			
Deck & Collection Bag			
Air Cleaner			
Cooling System			
Spark Plug			

Answer the Following According to Your Lab Handout:

1. Recommend an engine oil of the appropriate SAE & API grades: _____
2. What type of air cleaner does the mower have? _____
3. According to proper storage rules, what should be done to store this piece of equipment?
