

Two-stroke engine: Requires an oil gas mixture Fewer moving parts Lighter Louder Four-stroke engine: Separate oil and gas tank More reliable Better torque More fuel efficient Quieter Fewer emissions More common in modern lawnmowers

Functions of Motor Oil

Lubricant Coolant Detergent





Lawn mower cooling fan

Cools the engine

• Dissipates heat



Keep the cooling fan screen free of debris while mowing

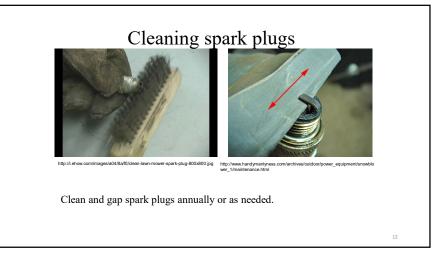


• Apply a coat of air filter oil to the pre-cleaner.

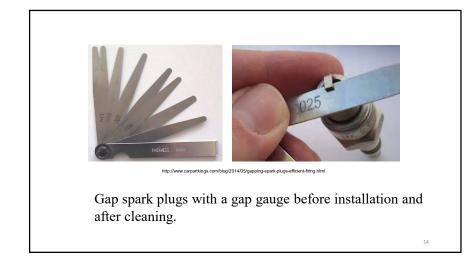
Fuel Regular unleaded should be used in small engines. Ethanol-based gasoline can be used unless the owners manual instructs you not to. Do not store your mower for long periods with ethanol-based fuel in the tank. Ethanol will varnish the carburetor over time.

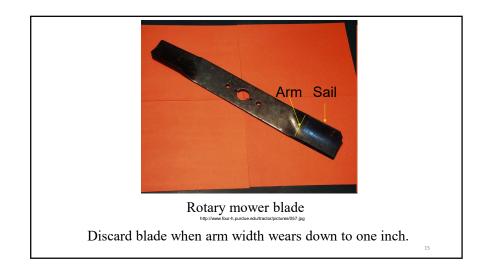




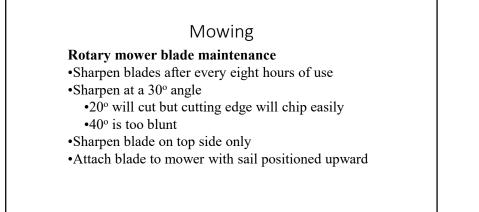










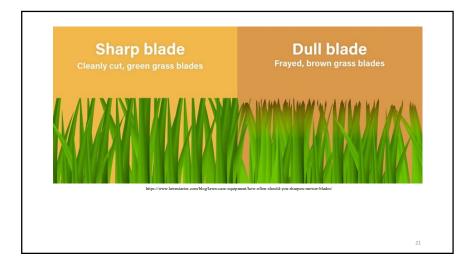






Mowing

Dull mower blades cause:
A reduction in turfgrass quality
An increase in disease susceptibility
A decrease mower fuel efficiency by 22% Steinegger et al., 1983



Daily Mower Maintenance

Check oil level Clean the filter and pre-cleaner Lube all grease zerks Check fuel tank before leaving the garage Clearly note the type of fuel used (gasoline or diesel) Check blade sharpness Check tire pressure

Periodic Riding Mower Maintenance

Check break fluid level Hydraulic oil level Spark plugs



Disconnect the spark plug every time you work under the deck to service your mower.