Important Functions of Maintenance
a) daily checks
b) lubrication
c) adjustments
d) training of operators

1. Daily Checks
   Check for Loose Nuts and Bolts
   • if ignored - damaged
   • holes enlarged, elongated - vibrations
   • studs and fasteners - when lost, invariably between bedknife and reel

   Check Belts and Chains
   • examine belts for grease, grass and dirt
   • check belt adjustment and tension
   • ensure no slippage of belt
   • chains - check alignment, tension, excessive wear
   • clean - remove, kerosene

   Cleaning Mowers
   • clean mowers days end with low pressure hose/air
   • high pressure water - rust in bearings
   • grease machine - force cut water

   Proper Storage
   • dry place - raised flooring
   • keep from flammable materials

2. Lubrication
   Engine Lubrication
   • inspection of entine daily
   • crankcase oil - inspect mornings
   • change oil after 20-24 hours of operation
   • oil filters - inspect weekly - not air hose

   Zerk Fittings
   • operators manual - fittings daily care
   • grease and grass
   • bearings with seals
   • too much pressure - damage

   Checking Great Cases
   • once - twice a season
   • correct levels - lubrication
   • remove oil level plugs - check

3. Adjustments
   Follow Factory Recommendations
   • manual - adjustment procedures
   • engineers - designed - drew up procedures
   • too few read manuals
   • savings - time and money

   Correct Tools
   • money saver - good tools
   • bolts sheared - wrenches too large
   • pliers and screwdrivers
   • files for nicks - proper use
   • penetrating oil - patience

   Weather Conditions
   • temperature and reel type mower settings
   • mowing - 15C (60F)
   • noon - 26.6C (80F)
   • reel expands - causes binding
   • back off adjusting screws
   • crease paper - 0-005" thick

4. Training the Operator
   Important - Very Scarce
   • supervisors - have a duty to school - in operation and care, owners manuals - study and follow see it is done!
   • Test drive equipment where damage is not a problem

   Equipment Investment Is - Large
   • imperative - operate and adjust correctly - recognize problems before major repairs

   Remove Debris - Costly Damage
   • paper picked - prior to mowing
   • sprinklers low - hit with mowers
   • broken stakes - inspect area

5. Proper Mowing Speed
   Excessive Reel/Ground Speed
   • reels lift off turf
   • uneven wear - excessive heat - bedknife improper adjustment
   • breakdown - parts adjoining reel bedknife
   • quality of cut - frequency of clip not equal to ground speed

6. Amount of Noise
   • unusual noises - check contact between bedknife and reel
   • hit object - shut off and check
   • TORO - effective cutting unit - sound of air expelled from hose
   • no buzzing, clicking or metallic sound from unit

7. Grass Lubrication
   • grass cut between bedknife and reel - lubricant - less heat buildup
   • disengage units when travel occurs - (park to park)