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 engine 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

Regular Adjustments
• specific times
• first thing in the morning/after lunch
• part of operator's schedule

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)