DAILY CHECKS AND PREVENTIVE MAINTENANCE FOR MOTORGRADER
Read Maintenance Interval Schedule before operating grader
Engine Oil

Check engine oil level daily

Check for discoloration

Smell oil for hints of diesel
Hydraulic Oil

Check daily

Watch for discoloration

Start shift with level at full.
Transmission Oil

Check oil level in transmission

See owners manual because machine may have to be running to check level
Batteries

Check battery fluid level according to service manual

Fill with recommended fluid only

Clean corrosion from connections when needed

Refer to manual before jump starting
Coolant level

Make sure proper level is maintained

Check for discoloration

Check strength seasonally for cold weather operation (see operators manual)
Air Filter

Check daily for dirt

May need to check several times daily for snow

Clean by tapping with hand only

Replace when wet
Air Cleaner Restriction Gauge

Check gauge for proper operation daily
Inspect Tires Daily

Check for proper pressure

Inspect for wear

Check recaps for tread separation

Check for objects sticking in tire

Make sure lug nuts are properly tightened
Oil Level In Tandems

Check oil level with machine setting completely level

Check for discoloration and grit
Moldboard

Check cutting edge for wear, cracks, and loose bolts.

Check edges often during snow removal to prevent moldboard damage, and cutting edge loss!!!!!!!
Grease Daily

Check operators manual for grease intervals

Grease points with extreme exposure to grit at least daily, and more often if needed

Wipe grit from zerk before greasing
Mirrors

Clean mirrors

If mirrors are cracked or damaged in any way, report it to your supervisor to schedule replacement.

Make sure mirrors are adjusted.
Glass

Clean glass often as needed

Report cracked or broken glass to your supervisor for replacement.
Wipers

Inspect all wipers on machine for damage or wear. Replace if necessary.

Fill washer fluid reservoir if necessary.
Walk around

Check for telltale signs of leaks.

Check for breaks, cracks, debris, and loose parts.
Entering and Exiting

Always keep three points of contact with grader when entering and exiting grader

Never use the steering wheel as a point of contact for entering and exiting
Service Due Date

The entire fleet should be the same.
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Safety Items

Make sure fire extinguisher is charged and serviced regularly

Make sure First Aid Kit is filled and up to date
2-way radio

Make sure radio is working properly before leaving yard.

Make sure you are familiar with radio so you can use it easily while operating equipment.
Gauges at Startup

Make sure gauges are working properly before leaving yard.

Clean dust from gauges for easy reading during operation.
Checks at Startup

Check Horn

Check brakes by moving slightly then applying them

Check backup alarm by putting Grader in reverse and listening
Make sure all lights are working properly before leaving yard
Shutdown

Fuel machine at end of shift to prevent condensation

Park on level ground

Lower attachments

Allow 5 minutes for cool down

Walk around machine and check for problems

Machines not in the shop should be secured