

TO: G.W. MILLER

10-12-70

OPERATING INSTRUCTIONS AROCLOR SUMP

GENERAL:

The sump maximum design rate of flow is 250 GPM and appears to be completely separating the second phase from the department effluent. The sump will hold 4000 gallons at a depth of around 3 1/2 feet. This is the maximum height of Aroclor the sump should have in it and should only occur after a major spill. In the north-west corner there is a pump suction pit 18" x 18" x 24". This pit will hold 34 gallons and should collect the Aroclor from the sloped floor.

OPERATION:

The pump pit should be pumped out as often as it fills up; ie. 34 gallons. Recommend that the sump be pumped out once every two weeks. A small Randolph pump has been provided for this purpose. Collect the Aroclor and water in drums and haul to the dump.

INSPECTION AND/OR MAINTENANCE:

When it becomes necessary to pump the sump empty for inspection and/or repairs, the surrounding ground water must be pumped out first and kept out. A hole has been provided for this on the northeast and southeast corners of the sump. A pump has not been provided, but the pump should stay in place and run continuously during the time the sump is empty.

The sump pit should be emptied of Aroclor as much as possible. Sump pumpout should proceed with caution so as not to stir-up any Aroclor lying on the bottom. After the sump has been returned to service, the outside water pumping can be discontinued.

J. L. E.

DSW 551983

STLCOPCB4090399

OPERATING INSTRUCTIONS AROCLOR SUMP

GENERAL:

The sump maximum design rate of flow is 250 GPM and appears to be completely separating the second phase from the department effluent. The sump will hold 4000 gallons at a depth of around 3 1/2 feet. This is the maximum height of Aroclor the sump should have in it and should only occur after a major spill. In the northwest corner there is a pump suction pit 18" x 18" x 24". This pit will hold 34 gallons and should collect the Aroclor from the sloped floor.

OPERATION:

The pump pit should be pumped out as often as it fills up; ie. 34 gallons. Recommend that the sump be pumped out once every two weeks. A small Randolph pump has been provided for this purpose. Collect the Aroclor and water in drums and haul to the dump.

INSPECTION AND/OR MAINTENANCE:

When it becomes necessary to pump the sump empty for inspection and/or repairs, the surrounding ground water must be pumped out first and kept out. A hole has been provided for this on the northeast and southeast corners of the sump. A pump has not been provided, but the pump should stay in place and run continuously during the time the sump is empty.

The sump pit should be emptied of Aroclor as much as possible. Sump pumpout should proceed with caution so as not to stir-up any Aroclor lying on the bottom. After the sump has been returned to service, the outside water pumping can be discontinued.

DSW 551984

STLCOPCB4090400

OPERATING INSTRUCTIONS AROCLOR SUMP

GENERAL:

The sump maximum design rate of flow is 250 GPM and appears to be completely separating the second phase from the department effluent. The sump will hold 4000 gallons at a depth of around 3 1/2 feet. This is the maximum height of Aroclor the sump should have in it and should only occur after a major spill. In the northwest corner there is a pump suction pit 18" x 18" x 24". This pit will hold 34 gallons and should collect the Aroclor from the sloped floor.

OPERATION:

The pump pit should be pumped out as often as it fills up; ie. 34 gallons. Recommend that the sump be pumped out once every two weeks. A small Randolph pump has been provided for this purpose. Collect the Aroclor and water in drums and haul to the dump.

INSPECTION AND/OR MAINTENANCE:

When it becomes necessary to pump the sump empty for inspection and/or repairs, the surrounding ground water must be pumped out first and kept out. A hole has been provided for this on the northeast and southeast corners of the sump. A pump has not been provided, but the pump should stay in place and run continuously during the time the sump is empty.

The sump pit should be emptied of Aroclor as much as possible. Sump pumpout should proceed with caution so as not to stir-up any Aroclor lying on the bottom. After the sump has been returned to service, the outside water pumping can be discontinued.

DSW 551985

OPERATING INSTRUCTIONS SUMP SKIMMER

GENERAL:

The skimmer is to remove the floating phase of Aroclor and sludges. The skimmer is temporarily mounted on a drum in the southeast corner of the sump.

OPERATION:

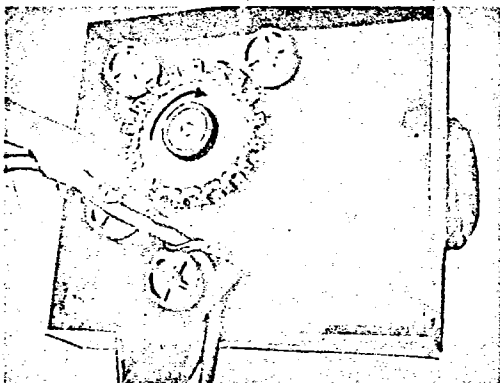
The skimmer barrel should be emptied once every 7 days during normal operation or when the barrel is full. The slurry in the barrel should be pumped into another barrel and hauled to the dump.

INSPECTION AND/OR MAINTENANCE:

The oil level in the gear reducer should be checked every three days. Fill with worm gear oil or steam cylinder oils having a viscosity S.U.V. of 135-150 at 210°F. Oil purchased at a service station may be used, SAE #140 recommended. Change after two weeks and every 6 to 8 months thereafter. Tube life expected to be 4 to 6 weeks, install Tygon R-4000, 3/4 IN O.D., 1/2 IN I.D., 50 ft. long. Install as shown.

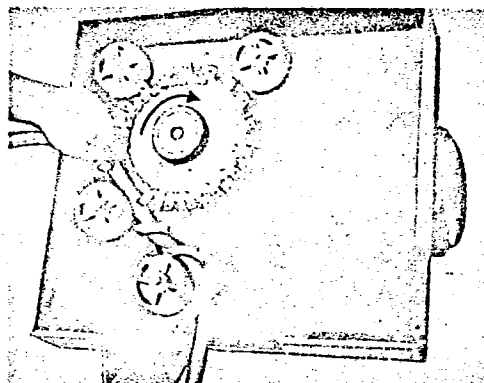
DSW 551986

INSERTING TUBING IN MODEL 610 BRILL SKIMMER



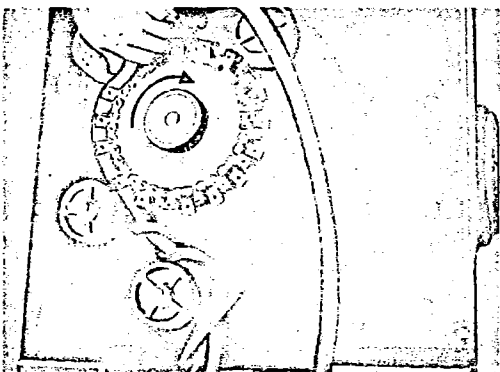
A. Remove backplate, apply power and check direction of rotation.

B. Squeeze new tubing under tube guide ⑧ lift up helical scraper ④ and wind in tubing.

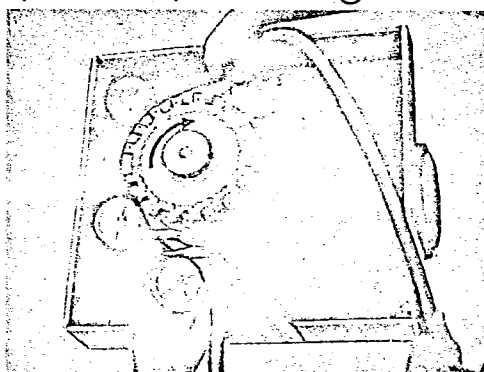


A. Place tubing between outside sprocket teeth on drive wheel ①

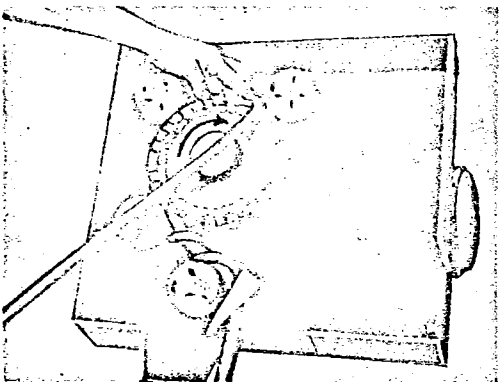
B. Rotate motor coupling until tubing passes under pressure wheel ② insert tube between inner and outer rows of teeth on drive wheel ① up to the next pressure wheel ②



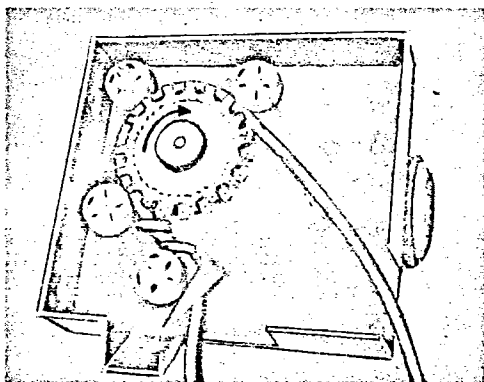
A. Press down tubing between sprocket teeth, and continue to rotate drive wheel ① in proper direction until tubing is past second pressure wheel ②



A. Continue to insert tubing past next pressure wheel ② by repeating previous instructions.



A. Repeat previous instructions.



A. Tubing is now in proper position on drive wheel ① and is ready to be placed on outrigger ⑨

CHECK LIST

Tubing in proper opening at right of spout — under tube guide ⑧ — through helical scraper ④ — between inner and outer teeth of drive wheel ① — firmly held in place by four pressure wheels ② — place tubing in opening on right side, extend along outrigger ⑨ through the guide yoke, and over the outboard wheel. Unit is now ready for operation . . . be certain that motor will drive unit in proper direction.



OIL SKIMMERS INC.

1803 W. ROYALTON ROAD • CLEVELAND, OHIO 44147

A DIVISION OF THE G. BRILL CO. • CLEVELAND, OHIO

DSW 551987

STLCOPCB4090403

OPERATING INSTRUCTIONS SUMP SKIMMER

GENERAL:

The skimmer is to remove the floating phase of Aroclor and sludges. The skimmer is temporarily mounted on a drum in the southeast corner of the sump.

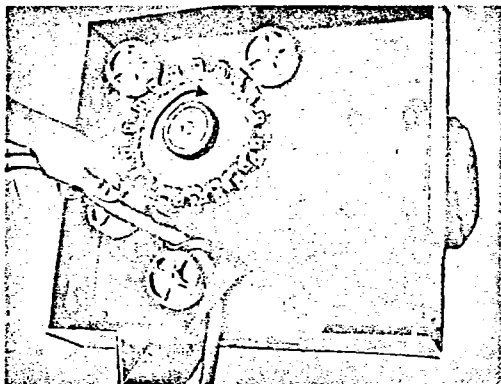
OPERATION:

The skimmer barrel should be emptied once every 7 days during normal operation or when the barrel is full. The slurry in the barrel should be pumped into another barrel and hauled to the dump.

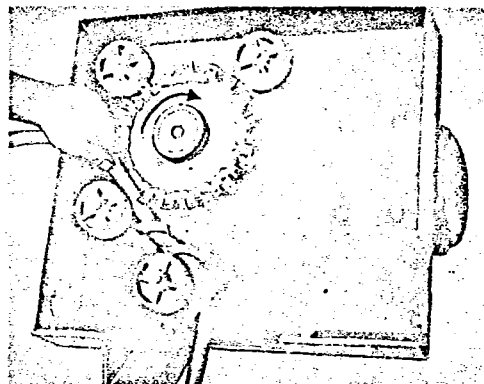
INSPECTION AND/OR MAINTENANCE:

The oil level in the gear reducer should be checked every three days. Fill with worm gear oil or steam cylinder oils having a viscosity S.U.V. of 135-150 at 210°F. Oil purchased at a service station may be used, SAE #140 recommended. Change after two weeks and every 6 to 8 months thereafter. Tube life expected to be 4 to 6 weeks, install Tygon R-4000, 3/4 IN O.D., 1/2 IN I.D., 50 ft. long. Install as shown.

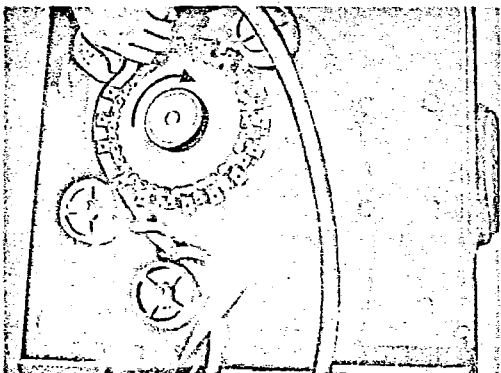
INSERTING TUBING IN MODEL 610 BRILL SKIMMER



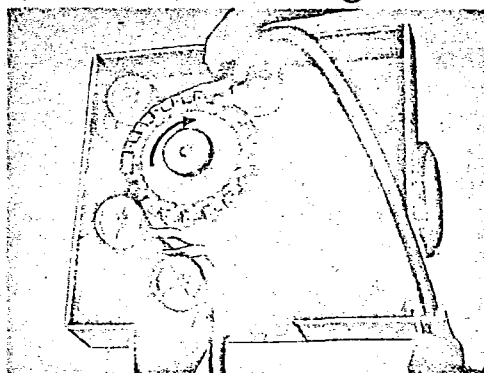
- A. Remove backplate, apply power and check direction of rotation.
B. Squeeze new tubing under tube guide ⑧ lift up helical scraper ④ and wind in tubing.



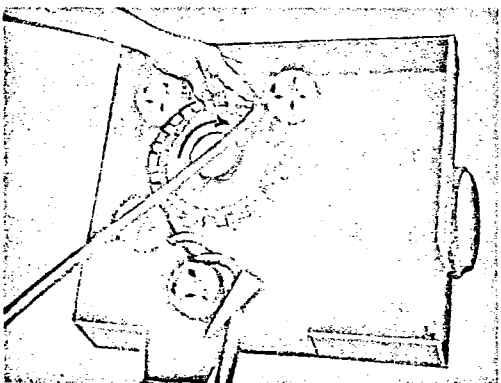
- A. Place tubing between outside sprocket teeth on drive wheel ①
B. Rotate motor coupling until tubing passes under pressure wheel ② insert tube between inner and outer rows of teeth on drive wheel ① up to the next pressure wheel ②



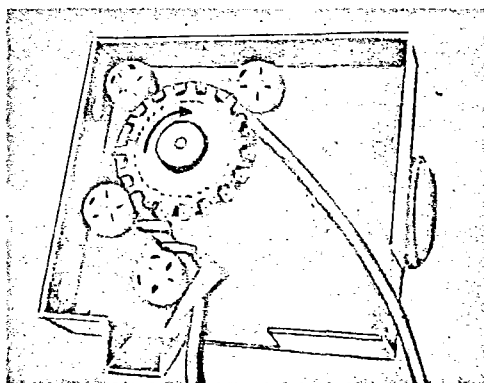
- A. Press down tubing between sprocket teeth, and continue to rotate drive wheel ① in proper direction until tubing is past second pressure wheel ②



- A. Continue to insert tubing past next pressure wheel ② by repeating previous instructions.



- A. Repeat previous instructions.



- A. Tubing is now in proper position on drive wheel ① and is ready to be placed on outrigger ⑨

CHECK LIST

Tubing in proper opening at right of spout — under tube guide ⑧ — through helical scraper ④ — between inner and outer teeth of drive wheel ① — firmly held in place by four pressure wheels ② — place tubing in opening on right side, extend along outrigger ⑨ through the guide yoke, and over the outboard wheel. Unit is now ready for operation . . . be certain that motor will drive unit in proper direction.



OIL SKIMMERS INC.

1803 W. ROYALTON ROAD • CLEVELAND, OHIO 44147

A DIVISION OF THE G. BRILL CO. • CLEVELAND, OHIO

DSW 551989

STLCOPCB4090405

OPERATING INSTRUCTIONS SUMP SKIMMER

GENERAL:

The skimmer is to remove the floating phase of Aroclor and sludges. The skimmer is temporarily mounted on a drum in the southeast corner of the sump.

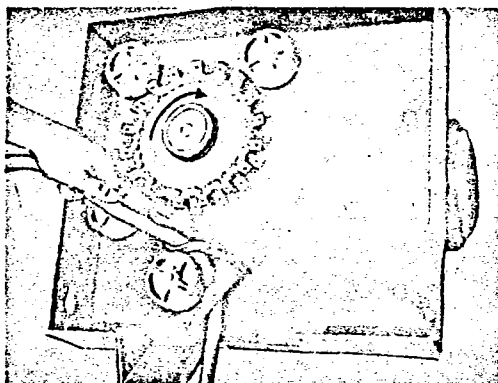
OPERATION:

The skimmer barrel should be emptied once every 7 days during normal operation or when the barrel is full. The slurry in the barrel should be pumped into another barrel and hauled to the dump.

INSPECTION AND/OR MAINTENANCE:

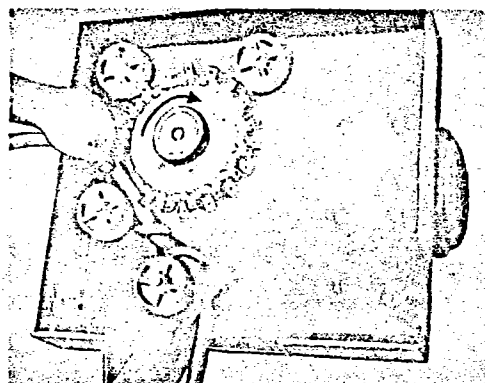
The oil level in the gear reducer should be checked every three days. Fill with worm gear oil or steam cylinder oils having a viscosity S.U.V. of 135-150 at 210°F. Oil purchased at a service station may be used, SAE #140 recommended. Change after two weeks and every 6 to 8 months thereafter. Tube life expected to be 4 to 6 weeks, install Tygon R-4000, 3/4 IN O.D., 1/2 IN I.D., 50 ft. long. Install as shown.

INSERTING TUBING IN MODEL 610 BRILL SKIMMER



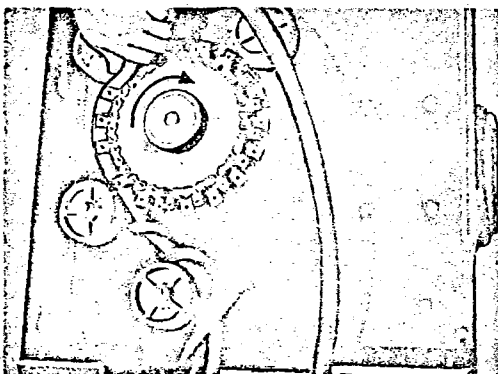
A. Remove backplate, apply power and check direction of rotation.

B. Squeeze new tubing under tube guide ⑧ lift up helical scraper ④ and wind in tubing.

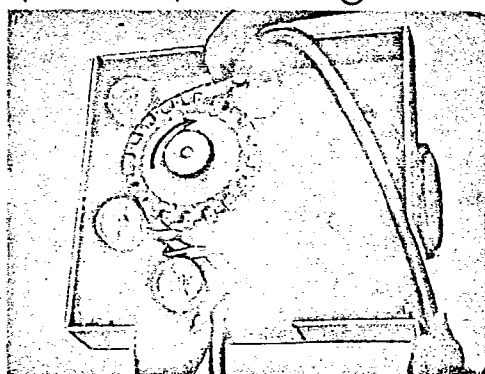


A. Place tubing between outside sprocket teeth on drive wheel ①

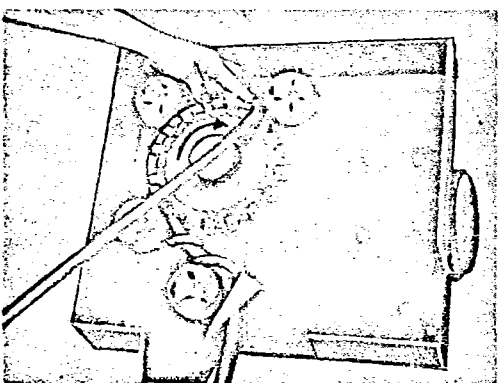
B. Rotate motor coupling until tubing passes under pressure wheel ② insert tube between inner and outer rows of teeth on drive wheel ① up to the next pressure wheel ②



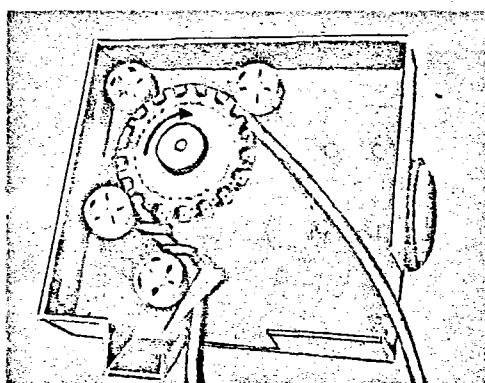
A. Press down tubing between sprocket teeth, and continue to rotate drive wheel ① in proper direction until tubing is past second pressure wheel ②



A. Continue to insert tubing past next pressure wheel ② by repeating previous instructions.



A. Repeat previous instructions.



A. Tubing is now in proper position on drive wheel ① and is ready to be placed on outrigger ⑨

CHECK LIST

Tubing in proper opening at right of spout — under tube guide ⑧ — through helical scraper ④ — between inner and outer teeth of drive wheel ① — firmly held in place by four pressure wheels ② — place tubing in opening on right side, extend along outrigger ⑨ through the guide yoke, and over the outboard wheel. Unit is now ready for operation . . . be certain that motor will drive unit in proper direction.

OIL SKIMMERS INC.

1803 W. ROYALTON ROAD • CLEVELAND, OHIO 44147

A DIVISION OF THE G. BRILL CO. • CLEVELAND, OHIO

DSW 551991

STLCOPCB4090407