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Instructions

Phoenix Consulting's GTP Shredder Auto Oiler System

System

- Internal High Quality Oil Pump with Power Supply
- Custom full mill width oil wick delivers oil in uniform fashion
- Powers pump only when machine is run
- Industrial Timer Control – mounted on machine – controls on-off cycles

Instructions for Timer Adjustments

- Timer shows a four digit display – this can be set for seconds, minutes, and hours, from .0001 second to 9999 hours. It is set to 'cycle' at the factory, which means has an "A" program to set on time and a "B" program to set off time. Do not change this (see time instructions), as it can also be set for just on time.
- Timer is designed to control ON Cycles for oiling and OFF rest cycles to setup a percentage of ON time the oiler operates – Factory standard is set to ½ sec (00.50) On time and 30 sec (30.00) Off time. This timer setting may need to be reset if you mistakenly press the 'rst' control, or it powered down for awhile and loses the backup memory – refer to the timer instructions to reset)
- Calibration. The factory default setting is calibrated to deliver 8 oz of oil for every hour of ON-TIME use (constant running). If you use the machine only once and done typically, it will deliver the a little each time you use it.(1/2 sec on).
- Use Adjustments - Monitor machine use. See oil use section below for suggestions for normal. Adjust the ON time and OFF time to move up in ON-TIME increments (maybe to 1.0 sec first) if you feel you are not using enough oil. If you feel you are using too much, increase OFF time (say to 45 sec) Our system is fully adjustable. See Timer instructions for details.

Oil Useage

- Normal oil useage varies widely and depends on factors such as shredding frequency, cut size, machine HP size, type of material being shredded and so on.
- Use the gallon jug and mark the oil line with a sharpie and date it. Monitor use over time.
- We like to see about 4 oz per 500 sheets on crosscut machines and 8 oz per 500 sheets on microcuts

REMEMBER

- Oiling is the LIFE of your machine. Not oiling a shredder is like not putting oil in your car motor. Without oil, your mill will heat and eventually create enough friction to either break gears or seize the mill. There is nothing more important for long term care of your shredder
 - The automatic oiling system on your machine is designed for lifetime service. If you have any trouble – PLEASE contact us at 410-374-1261 and ask for support – or email us at support@getthatpart.com and we will get back to your promptly
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Thanks for your purchase!

GTP Auto Oiler – Timer Instructions

GTP Timer – runs a countdown for each of the two programs & A-B indicators shows which is on See 'setting timer' to adjust time

"A" Program ON Indicator

"B" Program ON Indicator

"M/D" To Set Timer (Hold > 3 Secs)

"RST" Clears/Resets Program

"A" Program Time

"B" Program Time

"Up & Down" Settings (4) For each of the 4 digits

Setting the Timer

Setting

Power On

PV: 000 SV: 9999

Press MD key over 3s

Unit: SEC

Time Unit: SEC

UP/DOWN Mode: UP, DOWN

Time Mode: One shot Mode, Cycle Mode

Input Select: nPn, PnP

Key Lock: off, on

To get A & B (On-Off) Cycles Timer must be set to Cycle Mode

* 1. Change the run mode to setting mode the operation is continuous.

* 2. Return to the run mode and automatic reset when change the function setting.

* 3. When function mode, four "≡" and "≡" key is same function. If no change the setting return to the run mode after 60 second, and the setting is saved same time automatic reset.

Run Mode

Set A & B (On-Off) Cycles Moving arrow up-down to desired

PV: 000 SV: 9999

Time Mode: a A, a b

Key Setting Value

* 1. Change the run mode to setting mode the operation is continuous.

* 2. Return to the run mode and automatic reset when change the function setting.

* 3. When press "≡" or "≡" key, PV display To. a push [MD] turn to To. b. When the digital blink in SV, press or push the "≡" or "≡" key for value setting. After, push [MD] return to run mode. If no any change, return to the run mode after 30 second, and the setting is saved same time automatic reset.

Note: When Time Mode is one shot Mode, to. b is disabled.

Wiring The Timer

INKBIRD CE
TIMER
IDT-E2RH
Power: AC100-240V 50-60Hz 5VA
Contact: 3A 250VAC (Resistive)

Oil Pump -120V Power Supply Hot (Runs the 12V Pump)

Jumper

Motor Hot Lead (Hot When Runs)

120V Neutral

System uses Shredder Motor lead to initiate and control Oiling cycle through timing cycles. Normally open closes during the "A" cycle to run the pump, returns to Normally Open during "B" Cycle, shutting off pump.

Oiler System Description



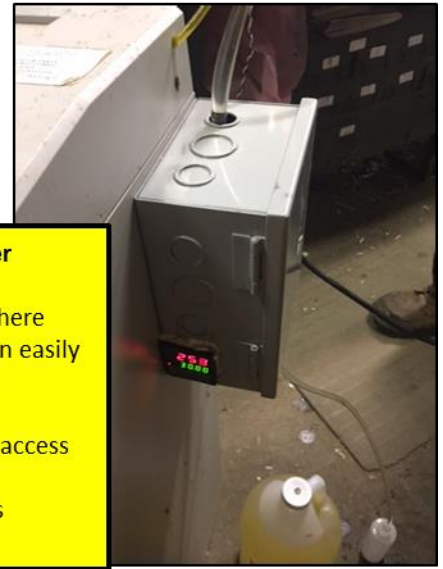
Heavy Duty Steel Box Enclosure

Houses Pump / Timer and Pump Power Supply

Can be mounted in nearly any configuration to any shredder design

Clearly shows suction and pressure sides of system

Wiring is all internal



Timer

Mounted where Operator can easily see display

Allows easy access To make adjustments



Heavy Duty Industrial Pump (12VDC)

Suction filter on pump

Oversized 12VDC Power Supply (120V)

Timer Wired to System

Technical System Information

Calibration

The timer on this system is set to ½ sec ON (Pump Runs) and then 30 sec OFF (Pump Off), Factory Default
If you lose power for a length of time, you may need to reset the timer – follow instructions above.

We have determined the pump in this system will deliver 7.5 gallons of shredder oil per hour (if run at 100% ON Time). This accounts for load through the wick delivery system (with no load delivery is higher)

The timer controls pump on & off cycles to limit oil delivery. Calibration under the factory default setting will equal 8 oz oil delivery under constant use. Constant use means the machine never shuts off. Every time the machine shuts off, the timer starts again and will deliver ½ sec of oil from the pump. So, frequent on-off cycles may deliver more oil than the calibrated amount. Adjust this up & down with the timer, which will deliver oil in a linear fashion and the following chart (delivery rates from 2 Oz to 24 Oz / Hr) can be used as a guide:

Delivery Rate			Delivery Rate			Delivery Rate		
Timer A On Time	Oz /Hr	Timer B Off Time	Timer A On Time	Oz /Hr	Timer B Off Time	Timer A On Time	Oz /Hr	Timer B Off Time
0.25	4	30	0.25	2.7	45	0.25	2.0	60
0.5	8	30	0.5	5.3	45	0.5	4.0	60
0.75	12	30	0.75	8.0	45	0.75	6.0	60
1	16	30	1	10.7	45	1	8.0	60
1.25	20	30	1.25	13.3	45	1.25	10.0	60
1.5	24	30	1.5	16.0	45	1.5	12.0	60

System Layout Diagram

