

# TECHNICAL DOCUMENTATION

## SP9\_1

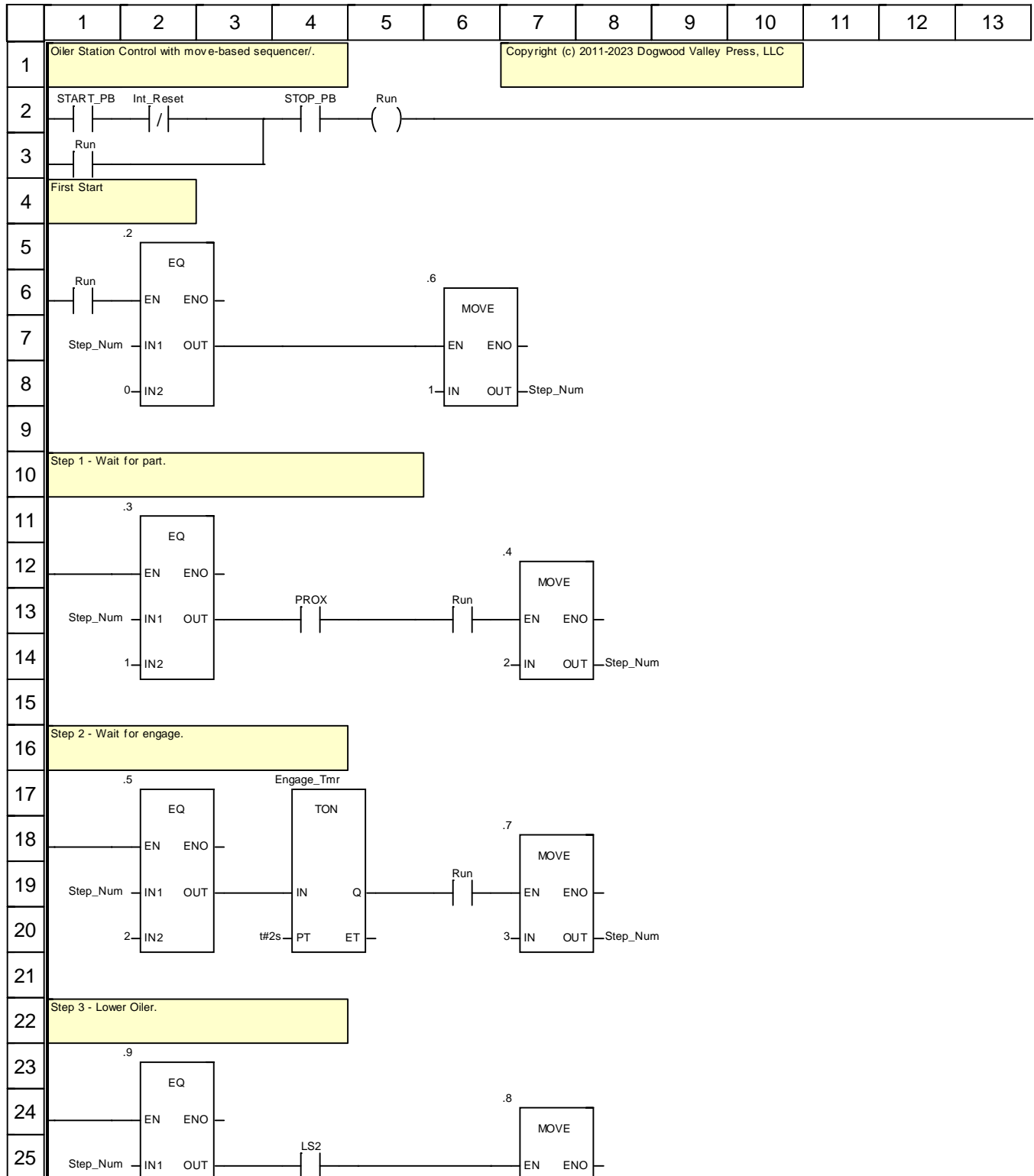
Project	SP9_1
Designer	
Application	sp9_01.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/23/2023 5:12:35 PM
Last Modification Date	6/23/2023 7:36:56 PM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

# MAST

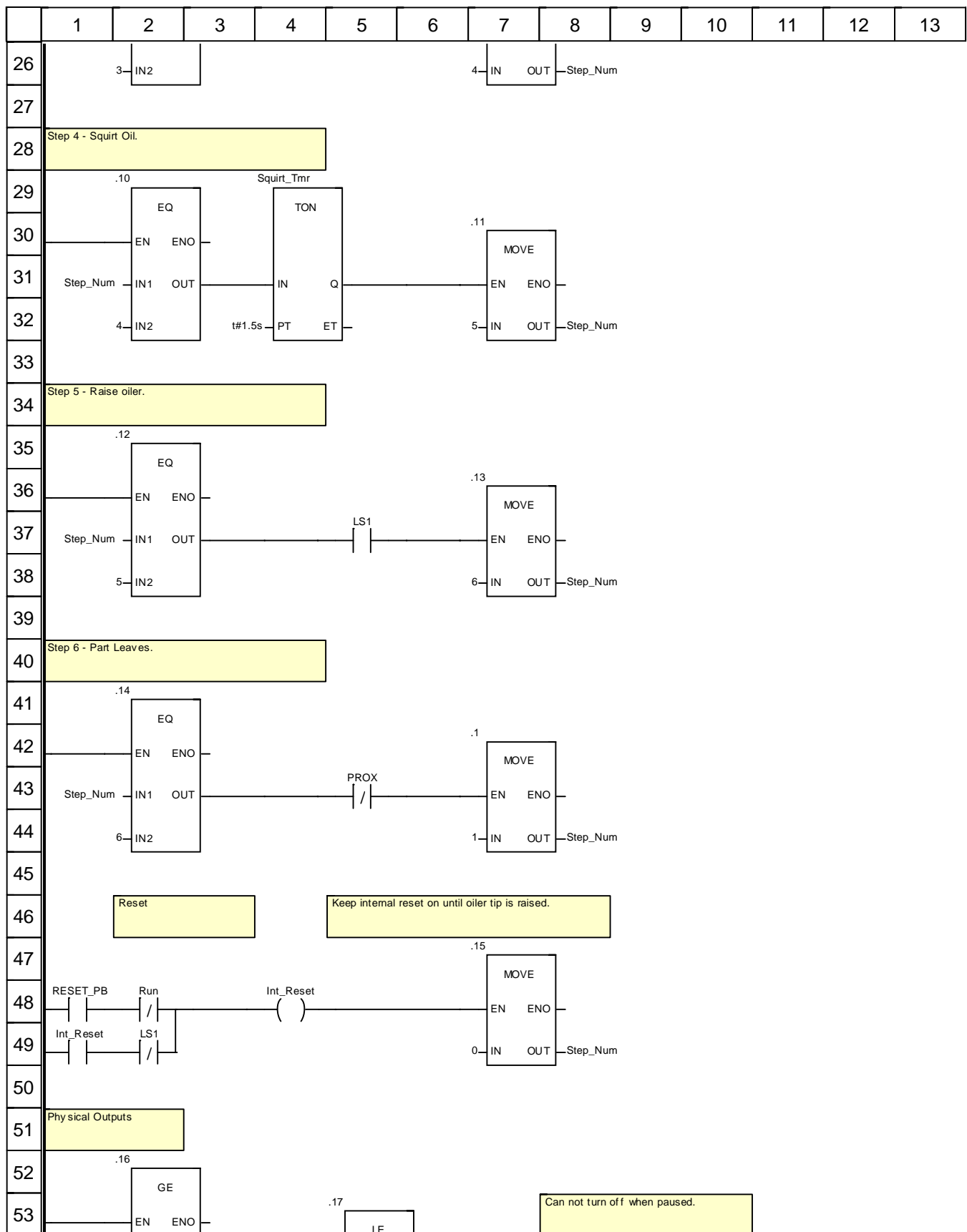
**Specific properties**

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

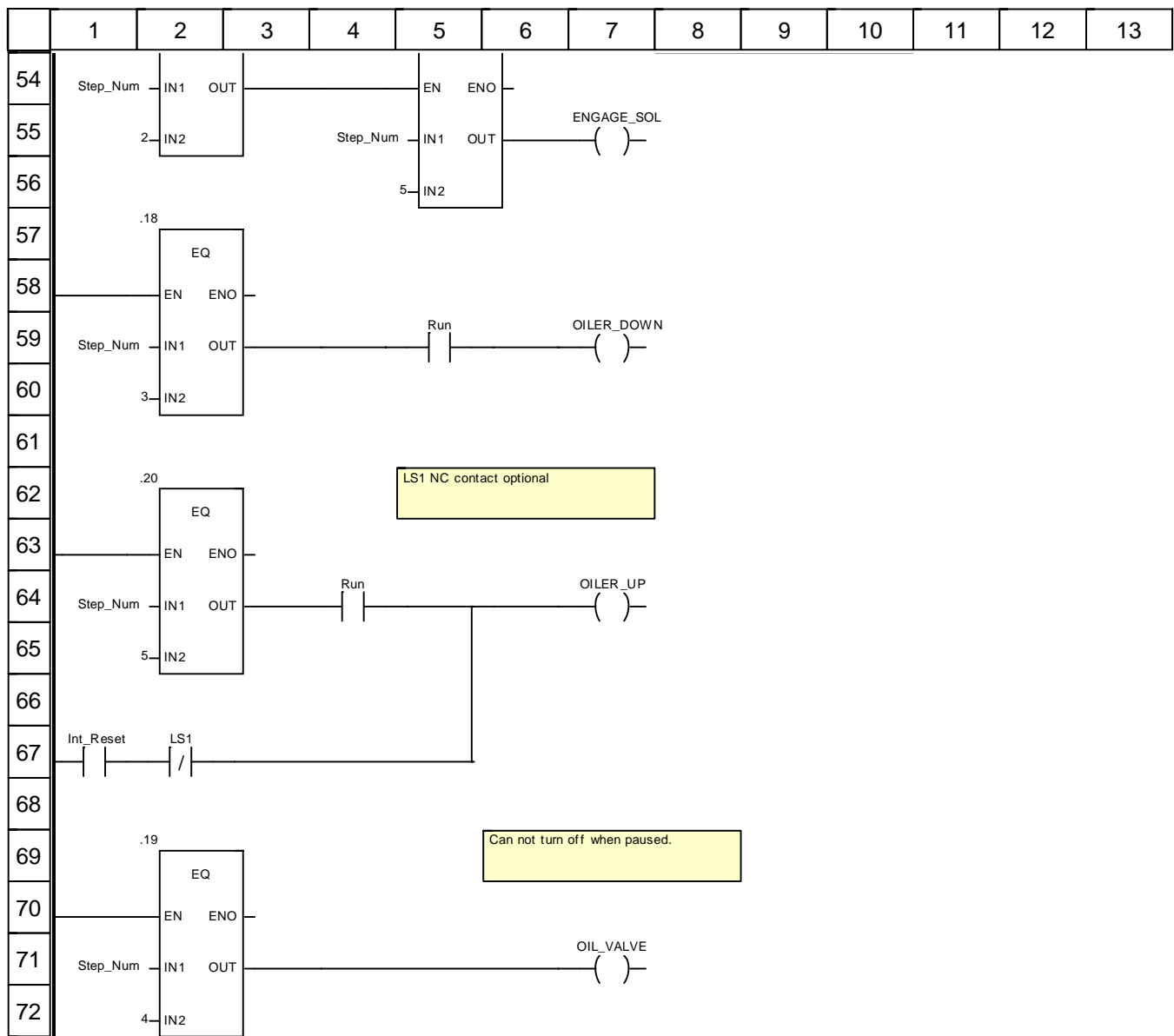
# Main : [MAST]



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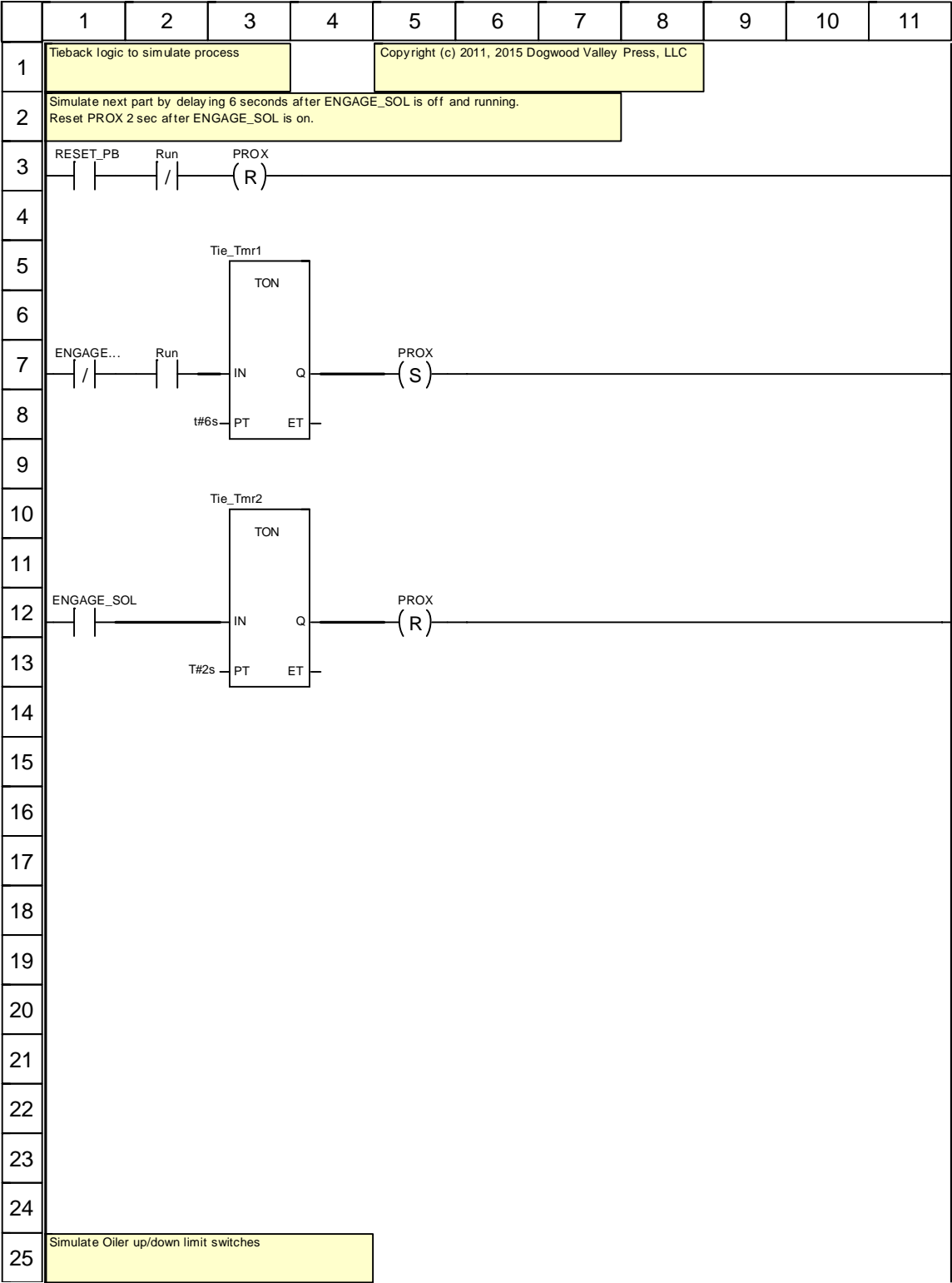


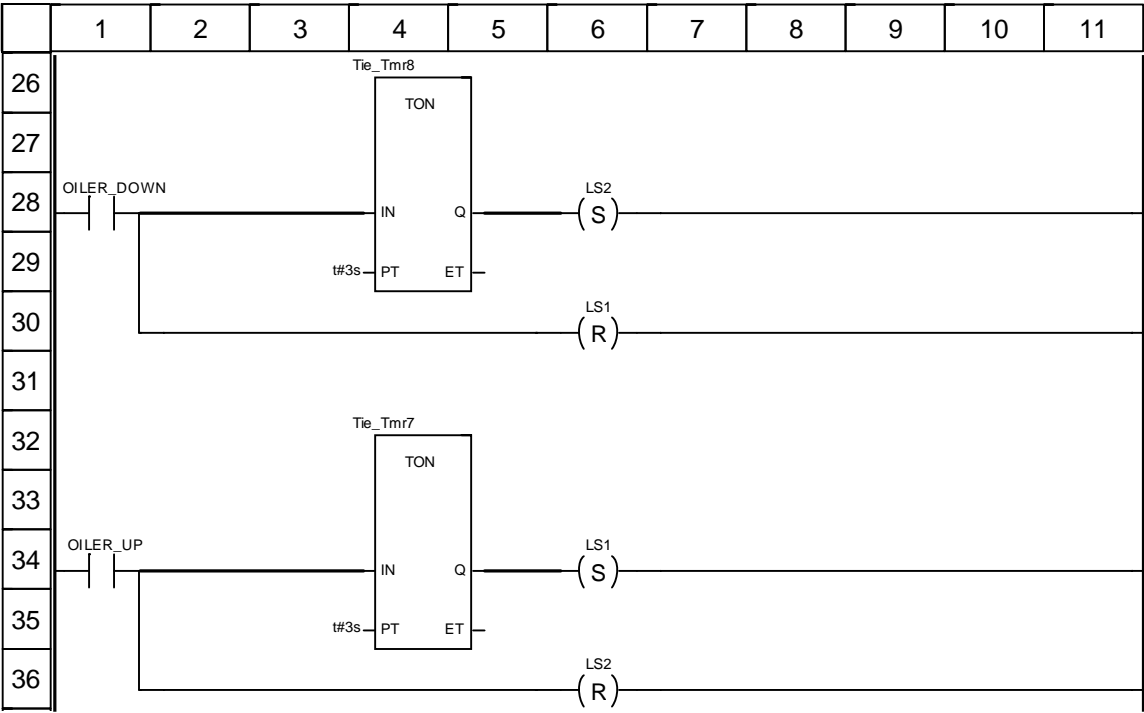
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# Simulation : [MAST]





Truncated labels:

Label	Position(s)
ENGAGE_SOL	(1, 7)

# FAST

**Specific properties**

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

# Cross References

## Application:

### Addresses

Object	Referred into	Location	Usage
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### Variables or FB instances

Object	Referred into	Location	Usage
ENGAGE_SOL	Main : [MAST]	(L 55, c: 7)	W
	Simulation : [MAST]	(L 7, c: 1)	R
		(L 12, c: 1)	R
Engage_Tmr	Main : [MAST]	(L 17, c: 4)	FC
Int_Reset	Main : [MAST]	(L 2, c: 2)	R
		(L 49, c: 1)	R
		(L 67, c: 1)	R
		(L 48, c: 4)	W
LS1	Simulation : [MAST]	(L 30, c: 6)	W
		(L 34, c: 6)	W
	Main : [MAST]	(L 49, c: 2)	R
		(L 37, c: 5)	R
		(L 67, c: 2)	R
LS2	Simulation : [MAST]	(L 28, c: 6)	W
		(L 36, c: 6)	W
	Main : [MAST]	(L 25, c: 4)	R
OIL_VALVE	Main : [MAST]	(L 71, c: 7)	W
OILER_DOWN	Main : [MAST]	(L 59, c: 7)	W
	Simulation : [MAST]	(L 28, c: 1)	R
OILER_UP	Main : [MAST]	(L 64, c: 7)	W
	Simulation : [MAST]	(L 34, c: 1)	R
PROX	Simulation : [MAST]	(L 3, c: 3)	W
		(L 7, c: 5)	W
		(L 12, c: 5)	W
	Main : [MAST]	(L 13, c: 4)	R
		(L 43, c: 5)	R
RESET_PB	Main : [MAST]	(L 48, c: 1)	R
	Simulation : [MAST]	(L 3, c: 1)	R
Run	Main : [MAST]	(L 2, c: 5)	W
		(L 3, c: 1)	R
		(L 48, c: 2)	R
		(L 6, c: 1)	R
		(L 13, c: 6)	R
		(L 19, c: 6)	R
		(L 59, c: 5)	R
		(L 64, c: 4)	R
	Simulation : [MAST]	(L 3, c: 2)	R
		(L 7, c: 2)	R
Squirt_Tmr	Main : [MAST]	(L 29, c: 4)	FC
START_PB	Main : [MAST]	(L 2, c: 1)	R
Step_Num	Main : [MAST]	(L 5, c: 2)	R
		(L 6, c: 6)	W
		(L 11, c: 2)	R
		(L 12, c: 7)	W
		(L 17, c: 2)	R

## Cross References

Object	Referred into	Location	Usage
		(l 18, c: 7)	W
		(l 24, c: 7)	W
		(l 23, c: 2)	R
		(l 29, c: 2)	R
		(l 30, c: 7)	W
		(l 35, c: 2)	R
		(l 36, c: 7)	W
		(l 42, c: 7)	W
		(l 41, c: 2)	R
		(l 47, c: 7)	W
		(l 52, c: 2)	R
		(l 53, c: 5)	R
		(l 57, c: 2)	R
		(l 69, c: 2)	R
		(l 62, c: 2)	R
STOP_PB	Main : [MAST]	(l 2, c: 4)	R
Tie_Tmr1	Simulation : [MAST]	(l 5, c: 3)	FC
Tie_Tmr2	Simulation : [MAST]	(l 10, c: 3)	FC
Tie_Tmr7	Simulation : [MAST]	(l 32, c: 4)	FC
Tie_Tmr8	Simulation : [MAST]	(l 26, c: 4)	FC

### EF objects

Object	Referred into	Location	Usage
eq	Main : [MAST]	(l 5, c: 2)	FC
		(l 11, c: 2)	FC
		(l 17, c: 2)	FC
		(l 23, c: 2)	FC
		(l 29, c: 2)	FC
		(l 35, c: 2)	FC
		(l 41, c: 2)	FC
		(l 57, c: 2)	FC
		(l 69, c: 2)	FC
		(l 62, c: 2)	FC
eq_dint	Main : [MAST]	(l 5, c: 2)	FC
		(l 11, c: 2)	FC
		(l 17, c: 2)	FC
		(l 23, c: 2)	FC
		(l 29, c: 2)	FC
		(l 35, c: 2)	FC
		(l 41, c: 2)	FC
		(l 57, c: 2)	FC
		(l 69, c: 2)	FC
		(l 62, c: 2)	FC
ge	Main : [MAST]	(l 52, c: 2)	FC
ge_dint	Main : [MAST]	(l 52, c: 2)	FC
le	Main : [MAST]	(l 53, c: 5)	FC
le_dint	Main : [MAST]	(l 53, c: 5)	FC
move	Main : [MAST]	(l 6, c: 6)	FC
		(l 12, c: 7)	FC
		(l 18, c: 7)	FC
		(l 24, c: 7)	FC
		(l 30, c: 7)	FC
		(l 36, c: 7)	FC
		(l 42, c: 7)	FC

# Cross References

Object	Referred into	Location	Usage
		(t: 47, c: 7)	FC

# Cross References

## Seq\_Trans:

Variables or FB instances

Object	Referred into	Location	Usage
Sequence	Main <DFB> : [Seq_Trans]	(l 2, c: 4)	R
		(l 2, c: 25)	R
		(l 3, c: 18)	R
		(l 3, c: 5)	W
		(l 4, c: 26)	R
		(l 4, c: 5)	W
		(l 5, c: 8)	R
		(l 6, c: 22)	R
		(l 6, c: 9)	W
		(l 9, c: 30)	R
		(l 9, c: 15)	R
		(l 11, c: 6)	R
		(l 12, c: 8)	R
		(l 13, c: 8)	R
		(l 15, c: 1)	W
		(l 16, c: 1)	W
StepCtr	Main <DFB> : [Seq_Trans]	(l 9, c: 1)	FC