MONTH TYPE

Project Name: Pulsarlube PLC

CONTENTS

PROGRAM

Behavior

Functional level:	Level 5.0
Starting mode:	Start In Previous State
Watchdog:	250 ms
Fallback behavior:	Fallback value

Memory consumption

Last compilation: 091111201715:58:28

Program lines

99.14%

Program lines used 103 Lines
Program lines remaining 11897 Lines

0.86%

Cache memory

97.30%

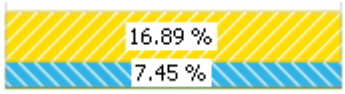
Periodic and Event tasks 3 bytes
Reserved for System 868 bytes
Memory remaining 31385 bytes

2.69%

RAM memory

74.81%

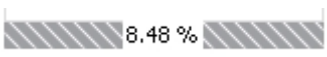
Master task and subroutines 806 bytes
Configuration 1096 bytes
Memory objects 16512 bytes
Display 37456 bytes
Memory remaining 165906 bytes



Non-program data

91.52%

Non-program data used 3822 bytes
Non-program data remaining 41234 bytes



Application Architecture

Master Task

Scan mode:	Normal
POU list:	1 - COMMON
	2 - MONTH_LUB_1
	3 - MONTH_LUB_2

Periodic Task

Period:	255 ms

POU

Master Task

1 - COMMON

Master Task

Rung0 - LUBRICATOR START

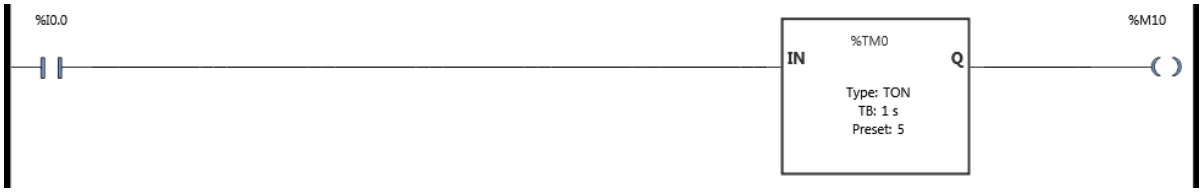
Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M1	LUBRICATOR_STOP_BIT	Lubricator Stop Switch - If using the HMI
%S12	SB_RUNMODE	The controller is running

2 - MONTH_LUB_1

Master Task

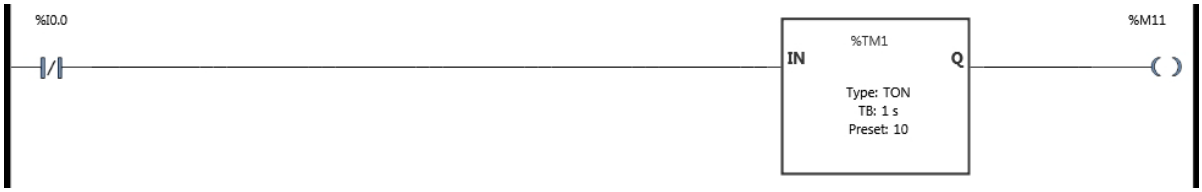
Rung0 - OVERLOAD CHECK



Variables used:

%I0.0	MON_IN_LUB_1	Month Mode Input Signal - Lubricator #1
%M10	OVERLOAD_MON_1	Overload Fault Signal - Lubricator #1
%TM0	OVERLOAD_CHECK_MON_1	Overload Check Timer - Lubricator #1

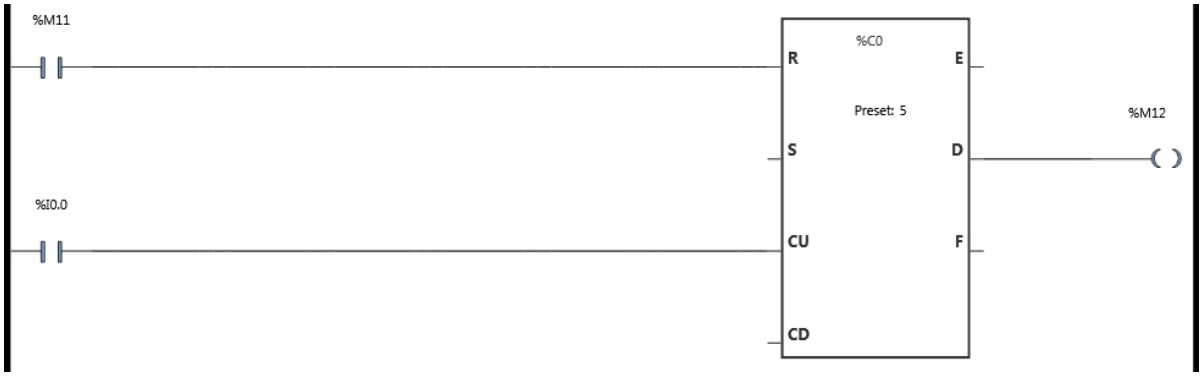
Rung1 - NO ALARM



Variables used:

%I0.0	MON_IN_LUB_1	Month Mode Input Signal - Lubricator #1
%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
%TM1	NO_FAULT_CHECK_MON_1	No Fault Check Timer - Lubricator #1

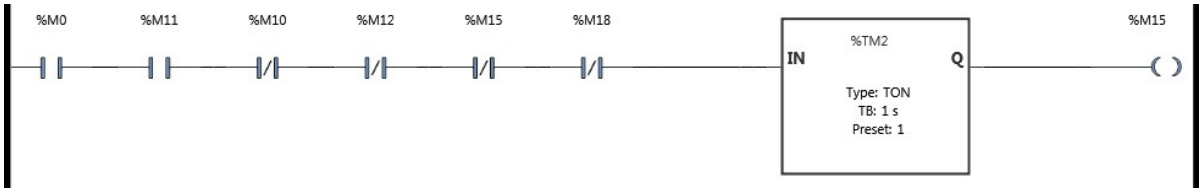
Rung2 - END OF CYCLE



Variables used:

%C0	END_OF_CYCLE_CHECK_INT_1	End of Cycle Check Counter - Lubricator #1
%I0.0	MON_IN_LUB_1	Month Mode Input Signal - Lubricator #1
%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
%M12	END_OF_CYCLE_MON_1	End of Cycle Signal - Lubricator #1

Rung3 - RUNNING_COUNTER



Variables used:

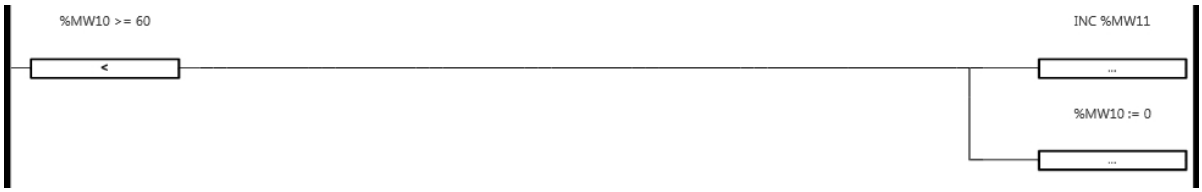
%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M10	OVERLOAD_MON_1	Overload Fault Signal - Lubricator #1
%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
%M12	END_OF_CYCLE_MON_1	End of Cycle Signal - Lubricator #1
%M15	RUNNING_SEC_1	Running Time (Sec) Signal - Lubricator #1
%M18	PAUSE_SIGNAL_MON_1	Pause Signal - Lubricator #1
%TM2	RUNNING_TIMER_MON_1	Running Time Data Timer - Lubricator #1

Rung4 - RUNNING_COUNTER_SEC

Variables used:

%M15	RUNNING_SEC_1	Running Time (Sec) Signal - Lubricator #1
%MW10	RUNNING_SEC_MON_1	Running_Second Time Data - Lubricator #1

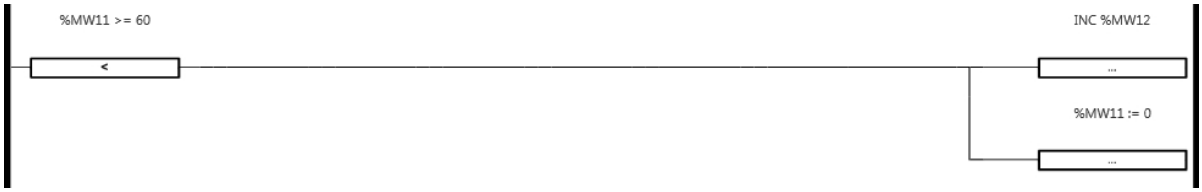
Rung5 - RUNNING_COUNTER_MIN



Variables used:

%MW10	RUNNING_SEC_MON_1	Running_Second Time Data - Lubricator #1
%MW11	RUNNING_MIN_MON_1	Running_Minute Time Data - Lubricator #1

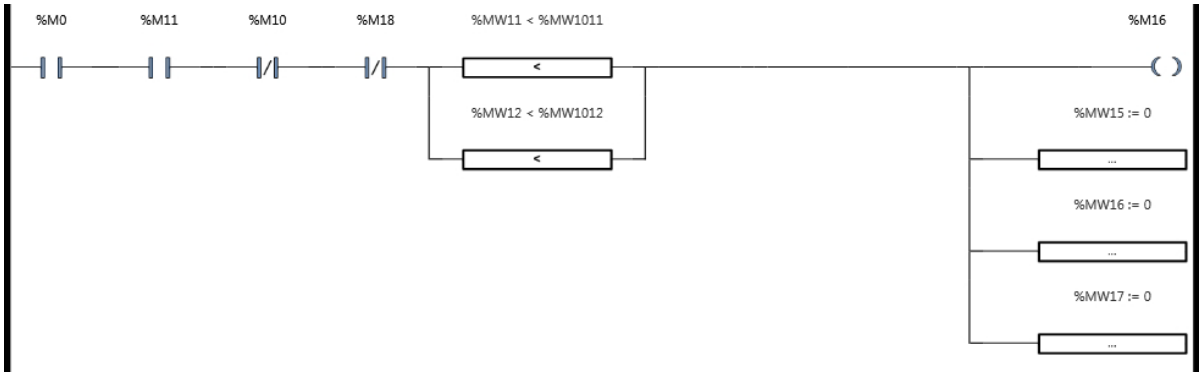
Rung6 - RUNNING_COUNTER_HOUR



Variables used:

%MW11	RUNNING_MIN_MON_1	Running_Minute Time Data - Lubricator #1
%MW12	RUNNING_HOUR_MON_1	Running_Hour Time Data - Lubricator #1

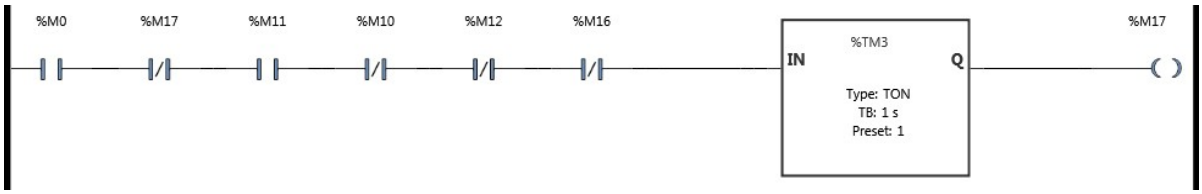
Rung7 - RUNNING_TIME



Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M10	OVERLOAD_MON_1	Overload Fault Signal - Lubricator #1
%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
%M16	RUNNING_SIGNAL_MON_1	Running Signal - Lubricator #1
%M18	PAUSE_SIGNAL_MON_1	Pause Signal - Lubricator #1
%MW11	RUNNING_MIN_MON_1	Running_Minute Time Data - Lubricator #1
%MW12	RUNNING_HOUR_MON_1	Running_Hour Time Data - Lubricator #1
%MW15	PAUSE_SEC_MON_1	Pause_Second Time Data - Lubricator #1
%MW16	PAUSE_MIN_MON_1	Pause_Minute Time Data - Lubricator #1
%MW17	PAUSE_HOUR_MON_1	Pause_Hour Time Data - Lubricator #1
%MW1011	RUNNING_SET_MIN_MON_1	Running_Set the Minute Time Data - Lubricator #1
%MW1012	RUNNING_SET_HOUR_MON_1	Running_Set the Hour Time Data - Lubricator #1

Rung8 - PAUSE_COUNTER



Variables used:

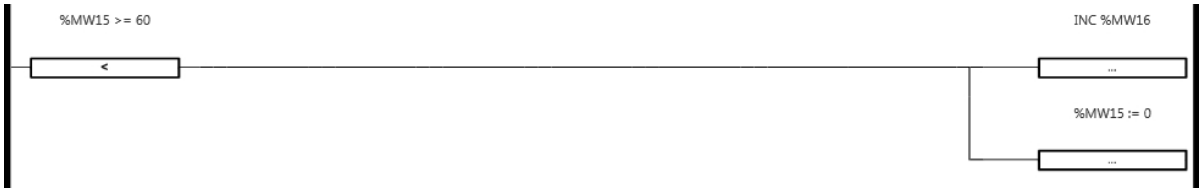
%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M10	OVERLOAD_MON_1	Overload Fault Signal - Lubricator #1
%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
%M12	END_OF_CYCLE_MON_1	End of Cycle Signal - Lubricator #1
%M16	RUNNING_SIGNAL_MON_1	Running Signal - Lubricator #1
%M17	PAUSE_SEC_1	Pause Time (Sec) Signal - Lubricator #1
%TM3	PAUSE_TIMER_MON_1	Pause Time Data Timer - Lubricator #1

Rung9 - PAUSE_COUNTER_SEC

Variables used:

%M17	PAUSE_SEC_1	Pause Time (Sec) Signal - Lubricator #1
%MW15	PAUSE_SEC_MON_1	Pause_Second Time Data - Lubricator #1

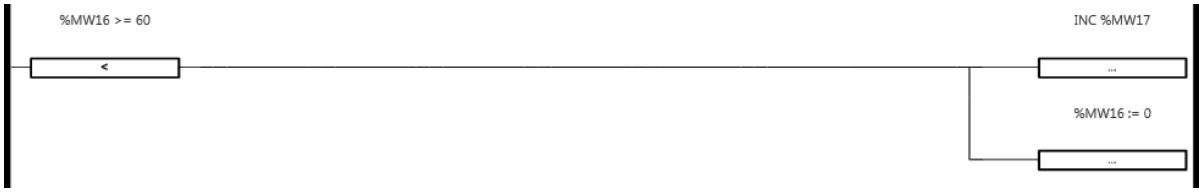
Rung10 - PAUSE_COUNTER_MIN



Variables used:

%MW15	PAUSE_SEC_MON_1	Pause_Second Time Data - Lubricator #1
%MW16	PAUSE_MIN_MON_1	Pause_Minute Time Data - Lubricator #1

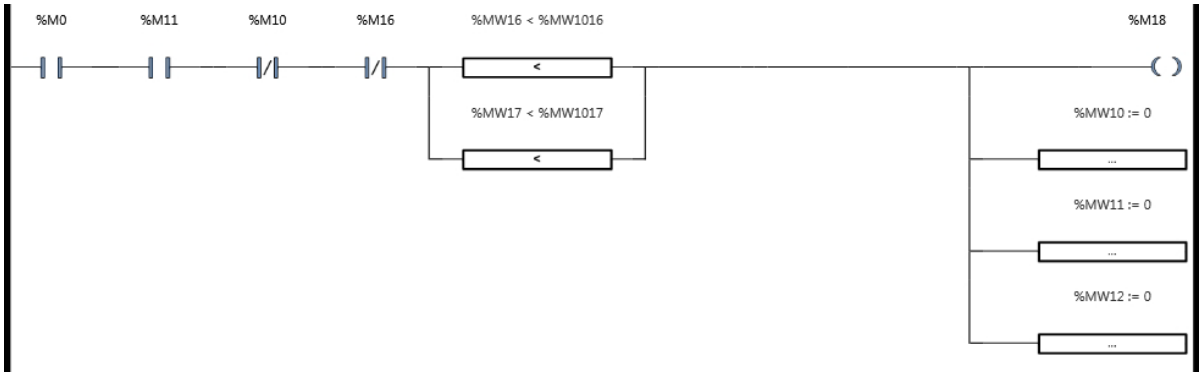
Rung11 - PAUSE_COUNTER_HOUR



Variables used:

%MW16	PAUSE_MIN_MON_1	Pause_Minute Time Data - Lubricator #1
%MW17	PAUSE_HOUR_MON_1	Pause_Hour Time Data - Lubricator #1

Rung12 - PAUSE_TIME



Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M10	OVERLOAD_MON_1	Overload Fault Signal - Lubricator #1
%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
%M16	RUNNING_SIGNAL_MON_1	Running Signal - Lubricator #1
%M18	PAUSE_SIGNAL_MON_1	Pause Signal - Lubricator #1
%MW10	RUNNING_SEC_MON_1	Running_Second Time Data - Lubricator #1
%MW11	RUNNING_MIN_MON_1	Running_Minute Time Data - Lubricator #1
%MW12	RUNNING_HOUR_MON_1	Running_Hour Time Data - Lubricator #1
%MW16	PAUSE_MIN_MON_1	Pause_Minute Time Data - Lubricator #1
%MW17	PAUSE_HOUR_MON_1	Pause_Hour Time Data - Lubricator #1
%MW1016	PAUSE_SET_MIN_MON_1	Pause_Set the Minute Time Data - Lubricator #1
%MW1017	PAUSE_SET_HOUR_MON_1	Pause_Set the Hour Time Data - Lubricator #1

Rung13 - LUBRICATOR_RUN

Variables used:

%M1	LUBRICATOR_STOP_BIT	Lubricator Stop Switch - If using the HMI
%M16	RUNNING_SIGNAL_MON_1	Running Signal - Lubricator #1
%M18	PAUSE_SIGNAL_MON_1	Pause Signal - Lubricator #1
%Q0.0	MON_OUT_LUB_1	Month Mode Output Signal - Lubricator #1

Rung14 - INITIAL_VALUE_SET

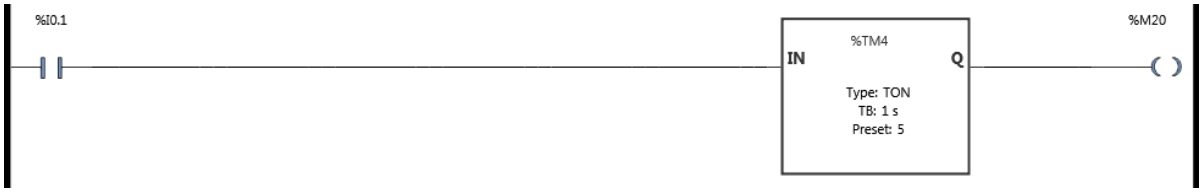
Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%MW1011	RUNNING_SET_MIN_MON_1	Running_Set the Minute Time Data - Lubricator #1
%MW1012	RUNNING_SET_HOUR_MON_1	Running_Set the Hour Time Data - Lubricator #1
%MW1016	PAUSE_SET_MIN_MON_1	Pause_Set the Minute Time Data - Lubricator #1
%MW1017	PAUSE_SET_HOUR_MON_1	Pause_Set the Hour Time Data - Lubricator #1

3 - MONTH_LUB_2

Master Task

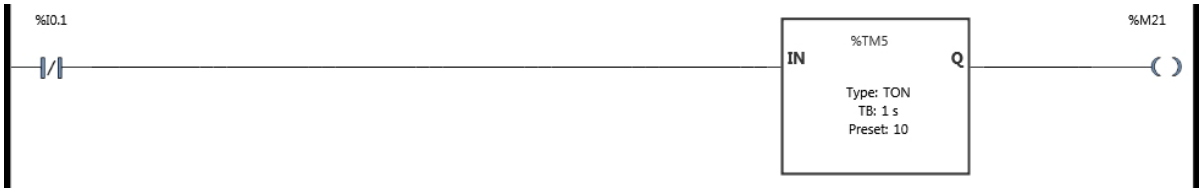
Rung0 - OVERLOAD CHECK



Variables used:

%I0.1	MON_IN_LUB_2	Month Mode Input Signal - Lubricator #2
%M20	OVERLOAD_MON_2	Overload Fault Signal - Lubricator #2
%TM4	OVERLOAD_CHECK_MON_2	Overload Check Timer - Lubricator #2

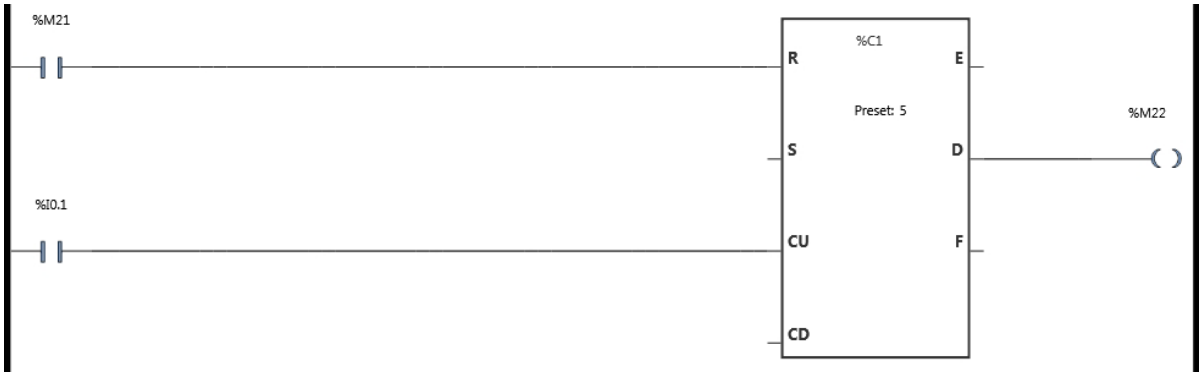
Rung1 - NO ALARM



Variables used:

%I0.1	MON_IN_LUB_2	Month Mode Input Signal - Lubricator #2
%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
%TM5	NO_FAULT_CHECK_MON_2	No Fault Check Timer - Lubricator #2

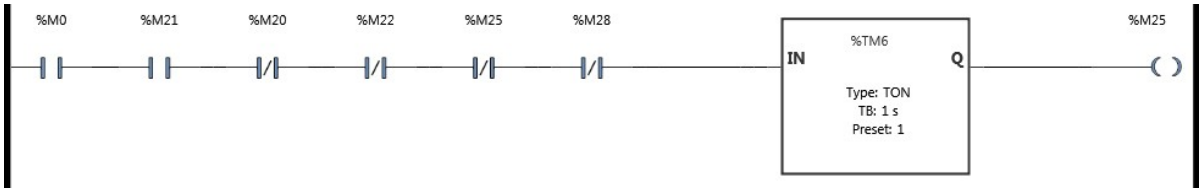
Rung2 - END OF CYCLE



Variables used:

%C1	END_OF_CYCLE_CHECK_INT_2	End of Cycle Check Counter - Lubricator #2
%I0.1	MON_IN_LUB_2	Month Mode Input Signal - Lubricator #2
%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
%M22	END_OF_CYCLE_MON_2	End of Cycle Signal - Lubricator #2

Rung3 - RUNNING_COUNTER



Variables used:

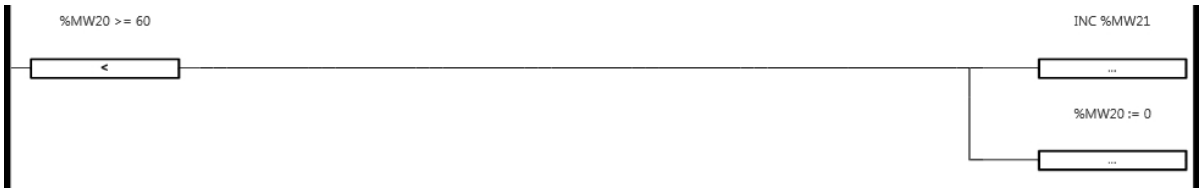
%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M20	OVERLOAD_MON_2	Overload Fault Signal - Lubricator #2
%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
%M22	END_OF_CYCLE_MON_2	End of Cycle Signal - Lubricator #2
%M25	RUNNING_SEC_2	Running Time (Sec) Signal - Lubricator #2
%M28	PAUSE_SIGNAL_MON_2	Pause Signal - Lubricator #2
%TM6	RUNNING_TIMER_MON_2	Running Time Data Timer - Lubricator #2

Rung4 - RUNNING_COUNTER_SEC

Variables used:

%M25	RUNNING_SEC_2	Running Time (Sec) Signal - Lubricator #2
%MW20	RUNNING_SEC_MON_2	Running_Second Time Data - Lubricator #2

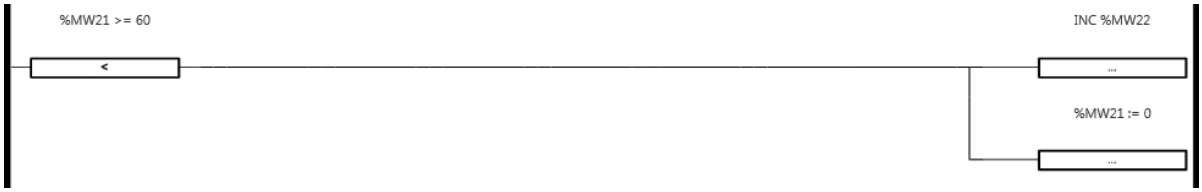
Rung5 - RUNNING_COUNTER_MIN



Variables used:

%MW20	RUNNING_SEC_MON_2	Running_Second Time Data - Lubricator #2
%MW21	RUNNING_MIN_MON_2	Running_Minute Time Data - Lubricator #2

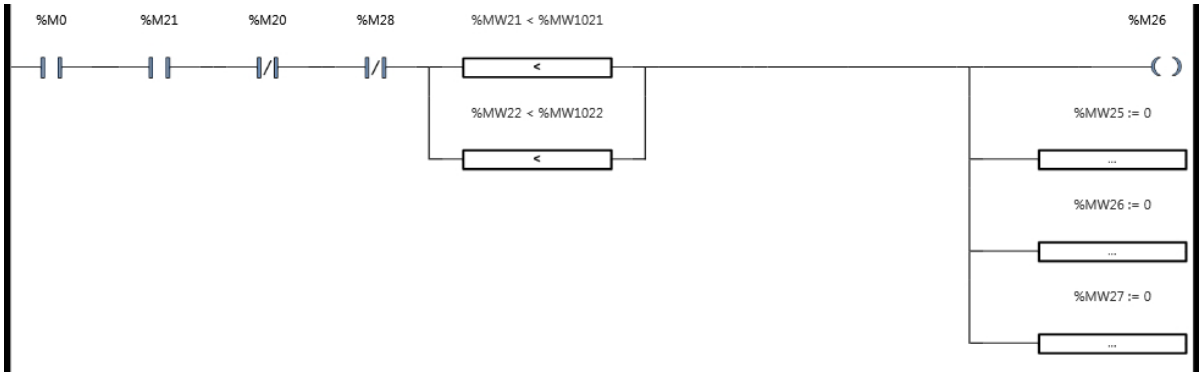
Rung6 - RUNNING_COUNTER_HOUR



Variables used:

%MW21	RUNNING_MIN_MON_2	Running_Minute Time Data - Lubricator #2
%MW22	RUNNING_HOUR_MON_2	Running_Hour Time Data - Lubricator #2

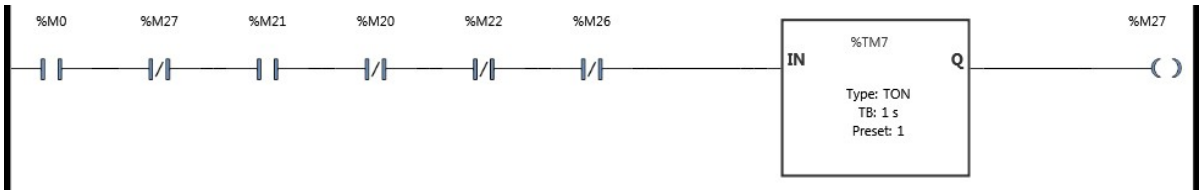
Rung7 - RUNNING_TIME



Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M20	OVERLOAD_MON_2	Overload Fault Signal - Lubricator #2
%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
%M26	RUNNING_SIGNAL_MON_2	Running Signal - Lubricator #2
%M28	PAUSE_SIGNAL_MON_2	Pause Signal - Lubricator #2
%MW21	RUNNING_MIN_MON_2	Running_Minute Time Data - Lubricator #2
%MW22	RUNNING_HOUR_MON_2	Running_Hour Time Data - Lubricator #2
%MW25	PAUSE_SEC_MON_2	Pause_Second Time Data - Lubricator #2
%MW26	PAUSE_MIN_MON_2	Pause_Minute Time Data - Lubricator #2
%MW27	PAUSE_HOUR_MON_2	Pause_Hour Time Data - Lubricator #2
%MW1021	RUNNING_SET_MIN_MON_2	Running_Set the Minute Time Data - Lubricator #2
%MW1022	RUNNING_SET_HOUR_MON_2	Running_Set the Hour Time Data - Lubricator #2

Rung8 - PAUSE_COUNTER



Variables used:

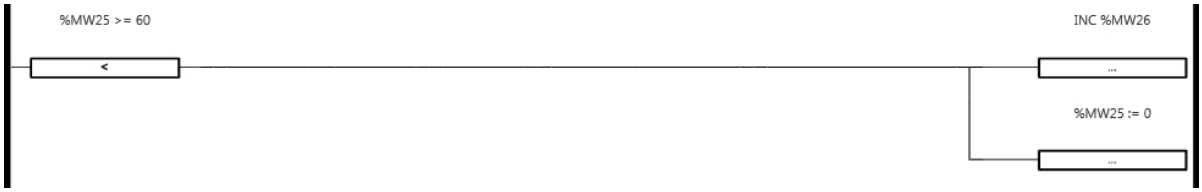
%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M20	OVERLOAD_MON_2	Overload Fault Signal - Lubricator #2
%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
%M22	END_OF_CYCLE_MON_2	End of Cycle Signal - Lubricator #2
%M26	RUNNING_SIGNAL_MON_2	Running Signal - Lubricator #2
%M27	PAUSE_SEC_2	Pause Time (Sec) Signal - Lubricator #2
%TM7	PAUSE_TIMER_MON_2	Pause Time Data Timer - Lubricator #2

Rung9 - PAUSE_COUNTER_SEC

Variables used:

%M27	PAUSE_SEC_2	Pause Time (Sec) Signal - Lubricator #2
%MW25	PAUSE_SEC_MON_2	Pause_Second Time Data - Lubricator #2

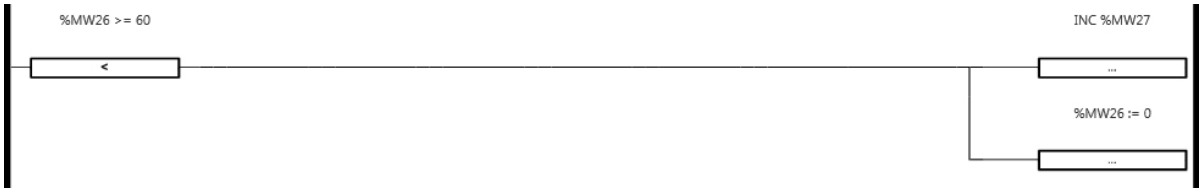
Rung10 - PAUSE_COUNTER_MIN



Variables used:

%MW25	PAUSE_SEC_MON_2	Pause_Second Time Data - Lubricator #2
%MW26	PAUSE_MIN_MON_2	Pause_Minute Time Data - Lubricator #2

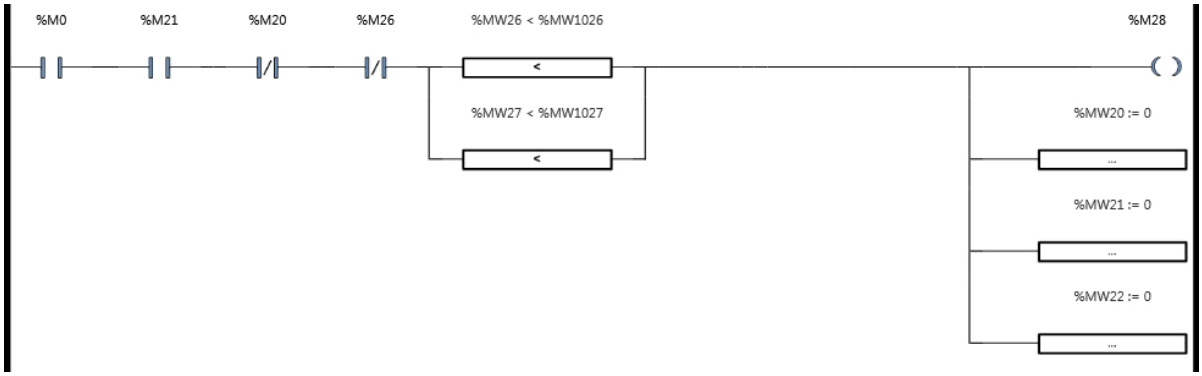
Rung11 - PAUSE_COUNTER_HOUR



Variables used:

%MW26	PAUSE_MIN_MON_2	Pause_Minute Time Data - Lubricator #2
%MW27	PAUSE_HOUR_MON_2	Pause_Hour Time Data - Lubricator #2

Rung12 - PAUSE_TIME



Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%M20	OVERLOAD_MON_2	Overload Fault Signal - Lubricator #2
%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
%M26	RUNNING_SIGNAL_MON_2	Running Signal - Lubricator #2
%M28	PAUSE_SIGNAL_MON_2	Pause Signal - Lubricator #2
%MW20	RUNNING_SEC_MON_2	Running_Second Time Data - Lubricator #2
%MW21	RUNNING_MIN_MON_2	Running_Minute Time Data - Lubricator #2
%MW22	RUNNING_HOUR_MON_2	Running_Hour Time Data - Lubricator #2
%MW26	PAUSE_MIN_MON_2	Pause_Minute Time Data - Lubricator #2
%MW27	PAUSE_HOUR_MON_2	Pause_Hour Time Data - Lubricator #2
%MW1026	PAUSE_SET_MIN_MON_2	Pause_Set the Minute Time Data - Lubricator #2
%MW1027	PAUSE_SET_HOUR_MON_2	Pause_Set the Hour Time Data - Lubricator #2

Rung13 - LUBRICATOR_RUN

Variables used:

%M1	LUBRICATOR_STOP_BIT	Lubricator Stop Switch - If using the HMI
%M26	RUNNING_SIGNAL_MON_2	Running Signal - Lubricator #2
%M28	PAUSE_SIGNAL_MON_2	Pause Signal - Lubricator #2
%Q0.1	MON_OUT_LUB_2	Month Mode Output Signal - Lubricator #2

Rung14 - INITIAL_VALUE_SET

Variables used:

%M0	LUBRICATOR_START_BIT	Auto Start Bit
%MW1021	RUNNING_SET_MIN_MON_2	Running_Set the Minute Time Data - Lubricator #2
%MW1022	RUNNING_SET_HOUR_MON_2	Running_Set the Hour Time Data - Lubricator #2
%MW1026	PAUSE_SET_MIN_MON_2	Pause_Set the Minute Time Data - Lubricator #2
%MW1027	PAUSE_SET_HOUR_MON_2	Pause_Set the Hour Time Data - Lubricator #2

SYMBOLS

Used	Address	Symbol	Comment
X	%C0	END_OF_CYCLE_CHECK_INT_1	End of Cycle Check Counter - Lubricator #1
X	%C1	END_OF_CYCLE_CHECK_INT_2	End of Cycle Check Counter - Lubricator #2
X	%I0.0	MON_IN_LUB_1	Month Mode Input Signal - Lubricator #1
X	%I0.1	MON_IN_LUB_2	Month Mode Input Signal - Lubricator #2
X	%M0	LUBRICATOR_START_BIT	Auto Start Bit
X	%M1	LUBRICATOR_STOP_BIT	Lubricator Stop Switch - If using the HMI
X	%M10	OVERLOAD_MON_1	Overload Fault Signal - Lubricator #1
X	%M11	NO_FAULT_MON_1	No Fault Signal - Lubricator #1
X	%M12	END_OF_CYCLE_MON_1	End of Cycle Signal - Lubricator #1
X	%M15	RUNNING_SEC_1	Running Time (Sec) Signal - Lubricator #1
X	%M16	RUNNING_SIGNAL_MON_1	Running Signal - Lubricator #1
X	%M17	PAUSE_SEC_1	Pause Time (Sec) Signal - Lubricator #1
X	%M18	PAUSE_SIGNAL_MON_1	Pause Signal - Lubricator #1
X	%M20	OVERLOAD_MON_2	Overload Fault Signal - Lubricator #2
X	%M21	NO_FAULT_MON_2	No Fault Signal - Lubricator #2
X	%M22	END_OF_CYCLE_MON_2	End of Cycle Signal - Lubricator #2
X	%M25	RUNNING_SEC_2	Running Time (Sec) Signal - Lubricator #2
X	%M26	RUNNING_SIGNAL_MON_2	Running Signal - Lubricator #2
X	%M27	PAUSE_SEC_2	Pause Time (Sec) Signal - Lubricator #2
X	%M28	PAUSE_SIGNAL_MON_2	Pause Signal - Lubricator #2
X	%MW10	RUNNING_SEC_MON_1	Running_Second Time Data - Lubricator #1
X	%MW11	RUNNING_MIN_MON_1	Running_Minute Time Data - Lubricator #1
X	%MW12	RUNNING_HOUR_MON_1	Running_Hour Time Data - Lubricator #1
X	%MW15	PAUSE_SEC_MON_1	Pause_Second Time Data - Lubricator #1
X	%MW16	PAUSE_MIN_MON_1	Pause_Minute Time Data - Lubricator #1
X	%MW17	PAUSE_HOUR_MON_1	Pause_Hour Time Data - Lubricator #1
X	%MW20	RUNNING_SEC_MON_2	Running_Second Time Data - Lubricator #2
X	%MW21	RUNNING_MIN_MON_2	Running_Minute Time Data - Lubricator #2

Used	Address	Symbol	Comment
X	%MW22	RUNNING_HOUR_MON_2	Running_Hour Time Data - Lubricator #2
X	%MW25	PAUSE_SEC_MON_2	Pause_Second Time Data - Lubricator #2
X	%MW26	PAUSE_MIN_MON_2	Pause_Minute Time Data - Lubricator #2
X	%MW27	PAUSE_HOUR_MON_2	Pause_Hour Time Data - Lubricator #2
X	%MW1011	RUNNING_SET_MIN_MON_1	Running_Set the Minute Time Data - Lubricator #1
X	%MW1012	RUNNING_SET_HOUR_MON_1	Running_Set the Hour Time Data - Lubricator #1
X	%MW1016	PAUSE_SET_MIN_MON_1	Pause_Set the Minute Time Data - Lubricator #1
X	%MW1017	PAUSE_SET_HOUR_MON_1	Pause_Set the Hour Time Data - Lubricator #1
X	%MW1021	RUNNING_SET_MIN_MON_2	Running_Set the Minute Time Data - Lubricator #2
X	%MW1022	RUNNING_SET_HOUR_MON_2	Running_Set the Hour Time Data - Lubricator #2
X	%MW1026	PAUSE_SET_MIN_MON_2	Pause_Set the Minute Time Data - Lubricator #2
X	%MW1027	PAUSE_SET_HOUR_MON_2	Pause_Set the Hour Time Data - Lubricator #2
X	%Q0.0	MON_OUT_LUB_1	Month Mode Output Signal - Lubricator #1
X	%Q0.1	MON_OUT_LUB_2	Month Mode Output Signal - Lubricator #2
X	%S12	SB_RUNMODE	The controller is running
X	%TM0	OVERLOAD_CHECK_MON_1	Overload Check Timer - Lubricator #1
X	%TM1	NO_FAULT_CHECK_MON_1	No Fault Check Timer - Lubricator #1
X	%TM2	RUNNING_TIMER_MON_1	Running Time Data Timer - Lubricator #1
X	%TM3	PAUSE_TIMER_MON_1	Pause Time Data Timer - Lubricator #1
X	%TM4	OVERLOAD_CHECK_MON_2	Overload Check Timer - Lubricator #2
X	%TM5	NO_FAULT_CHECK_MON_2	No Fault Check Timer - Lubricator #2
X	%TM6	RUNNING_TIMER_MON_2	Running Time Data Timer - Lubricator #2
X	%TM7	PAUSE_TIMER_MON_2	Pause Time Data Timer - Lubricator #2

CROSS-REFERENCE TABLE

Address	Object	Rung	Code
%C0.....	2 - MONTH_LUB_1	Rung2 - END OF CYCLE	%C0
%C1.....	3 - MONTH_LUB_2	Rung2 - END OF CYCLE	%C1
%I0.0.....	2 - MONTH_LUB_1	Rung0 - OVERLOAD CHECK	--| |--
		Rung1 - NO ALARM	--|/|--
		Rung2 - END OF CYCLE	--| |--
%I0.1.....	3 - MONTH_LUB_2	Rung0 - OVERLOAD CHECK	--| |--
		Rung1 - NO ALARM	--|/|--
		Rung2 - END OF CYCLE	--| |--
%M0.....	1 - COMMON	Rung0 - LUBRICATOR START	--( )--
	2 - MONTH_LUB_1	Rung3 - RUNNING_COUNTER	--| |--
		Rung7 - RUNNING_TIME	--| |--
		Rung8 - PAUSE_COUNTER	--| |--
		Rung12 - PAUSE_TIME	--| |--
		Rung14 - INITIAL_VALUE_SET	--|P|--
	3 - MONTH_LUB_2	Rung3 - RUNNING_COUNTER	--| |--
		Rung7 - RUNNING_TIME	--| |--
		Rung8 - PAUSE_COUNTER	--| |--
		Rung12 - PAUSE_TIME	--| |--
		Rung14 - INITIAL_VALUE_SET	--|P|--
%M1.....	1 - COMMON	Rung0 - LUBRICATOR START	--|/|--
	2 - MONTH_LUB_1	Rung13 - LUBRICATOR_RUN	--|/|--
	3 - MONTH_LUB_2	Rung13 - LUBRICATOR_RUN	--|/|--
%M10.....	2 - MONTH_LUB_1	Rung0 - OVERLOAD CHECK	--( )--
		Rung3 - RUNNING_COUNTER	--|/|--
		Rung7 - RUNNING_TIME	--|/|--
		Rung8 - PAUSE_COUNTER	--|/|--
		Rung12 - PAUSE_TIME	--|/|--
%M11.....	2 - MONTH_LUB_1	Rung1 - NO ALARM	--( )--
		Rung2 - END OF CYCLE	--| |--
		Rung3 - RUNNING_COUNTER	--| |--

Address	Object	Rung	Code
		Rung7 - RUNNING_TIME	--| |--
		Rung8 - PAUSE_COUNTER	--| |--
		Rung12 - PAUSE_TIME	--| |--
%M12.....	2 - MONTH_LUB_1	Rung2 - END OF CYCLE	--( )--
		Rung3 - RUNNING_COUNTER	--|/|--
		Rung8 - PAUSE_COUNTER	--|/|--
%M15.....	2 - MONTH_LUB_1	Rung3 - RUNNING_COUNTER	--( )--
			--|/|--
		Rung4 - RUNNING_COUNTER_SEC	--|P|--
%M16.....	2 - MONTH_LUB_1	Rung7 - RUNNING_TIME	--( )--
		Rung8 - PAUSE_COUNTER	--|/|--
		Rung12 - PAUSE_TIME	--|/|--
		Rung13 - LUBRICATOR_RUN	--| |--
%M17.....	2 - MONTH_LUB_1	Rung8 - PAUSE_COUNTER	--( )--
			--|/|--
		Rung9 - PAUSE_COUNTER_SEC	--|P|--
%M18.....	2 - MONTH_LUB_1	Rung3 - RUNNING_COUNTER	--|/|--
		Rung7 - RUNNING_TIME	--|/|--
		Rung12 - PAUSE_TIME	--( )--
		Rung13 - LUBRICATOR_RUN	--|/|--
%M20.....	3 - MONTH_LUB_2	Rung0 - OVERLOAD CHECK	--( )--
		Rung3 - RUNNING_COUNTER	--|/|--
		Rung7 - RUNNING_TIME	--|/|--
		Rung8 - PAUSE_COUNTER	--|/|--
		Rung12 - PAUSE_TIME	--|/|--
%M21.....	3 - MONTH_LUB_2	Rung1 - NO ALARM	--( )--
		Rung2 - END OF CYCLE	--| |--
		Rung3 - RUNNING_COUNTER	--| |--
		Rung7 - RUNNING_TIME	--| |--
		Rung8 - PAUSE_COUNTER	--| |--
		Rung12 - PAUSE_TIME	--| |--
%M22.....	3 - MONTH_LUB_2	Rung2 - END OF CYCLE	--( )--
		Rung3 - RUNNING_COUNTER	--|/|--

Address	Object	Rung	Code
		Rung8 - PAUSE_COUNTER	--|/|--
%M25.....	3 - MONTH_LUB_2	Rung3 - RUNNING_COUNTER	--( )--
			--|/|--
		Rung4 - RUNNING_COUNTER_SEC	--|P|--
%M26.....	3 - MONTH_LUB_2	Rung7 - RUNNING_TIME	--( )--
		Rung8 - PAUSE_COUNTER	--|/|--
		Rung12 - PAUSE_TIME	--|/|--
		Rung13 - LUBRICATOR_RUN	--| |--
%M27.....	3 - MONTH_LUB_2	Rung8 - PAUSE_COUNTER	--( )--
			--|/|--
		Rung9 - PAUSE_COUNTER_SEC	--|P|--
%M28.....	3 - MONTH_LUB_2	Rung3 - RUNNING_COUNTER	--|/|--
		Rung7 - RUNNING_TIME	--|/|--
		Rung12 - PAUSE_TIME	--( )--
		Rung13 - LUBRICATOR_RUN	--|/|--
%MW10.....	2 - MONTH_LUB_1	Rung4 - RUNNING_COUNTER_SEC	--[...]-- INC %MW10
		Rung5 - RUNNING_COUNTER_MIN	--[<]-- %MW10 >= 60
			--[...]-- %MW10 := 0
		Rung12 - PAUSE_TIME	--[...]-- %MW10 := 0
%MW11.....	2 - MONTH_LUB_1	Rung5 - RUNNING_COUNTER_MIN	--[...]-- INC %MW11
		Rung6 - RUNNING_COUNTER_HOUR	--[<]-- %MW11 >= 60
			--[...]-- %MW11 := 0
		Rung7 - RUNNING_TIME	--[<]-- %MW11 < %MW1011
		Rung12 - PAUSE_TIME	--[...]-- %MW11 := 0
%MW12.....	2 - MONTH_LUB_1	Rung6 - RUNNING_COUNTER_HOUR	--[...]-- INC %MW12
		Rung7 - RUNNING_TIME	--[<]-- %MW12 < %MW1012
		Rung12 - PAUSE_TIME	--[...]-- %MW12 := 0
%MW15.....	2 - MONTH_LUB_1	Rung7 - RUNNING_TIME	--[...]-- %MW15 := 0
		Rung9 - PAUSE_COUNTER_SEC	--[...]-- INC %MW15
		Rung10 - PAUSE_COUNTER_MIN	--[<]-- %MW15 >= 60
			--[...]-- %MW15 := 0
%MW16.....	2 - MONTH_LUB_1	Rung7 - RUNNING_TIME	--[...]-- %MW16 := 0

Address	Object	Rung	Code
		Rung10 - PAUSE_COUNTER_MIN	--[...]-- INC %MW16
		Rung11 - PAUSE_COUNTER_HOUR	--[<]-- %MW16 >= 60
			--[...]-- %MW16 := 0
		Rung12 - PAUSE_TIME	--[<]-- %MW16 < %MW1016
%MW17.....	2 - MONTH_LUB_1	Rung7 - RUNNING_TIME	--[...]-- %MW17 := 0
		Rung11 - PAUSE_COUNTER_HOUR	--[...]-- INC %MW17
		Rung12 - PAUSE_TIME	--[<]-- %MW17 < %MW1017
%MW20.....	3 - MONTH_LUB_2	Rung4 - RUNNING_COUNTER_SEC	--[...]-- INC %MW20
		Rung5 - RUNNING_COUNTER_MIN	--[<]-- %MW20 >= 60
			--[...]-- %MW20 := 0
		Rung12 - PAUSE_TIME	--[...]-- %MW20 := 0
%MW21.....	3 - MONTH_LUB_2	Rung5 - RUNNING_COUNTER_MIN	--[...]-- INC %MW21
		Rung6 - RUNNING_COUNTER_HOUR	--[<]-- %MW21 >= 60
			--[...]-- %MW21 := 0
		Rung7 - RUNNING_TIME	--[<]-- %MW21 < %MW1021
		Rung12 - PAUSE_TIME	--[...]-- %MW21 := 0
%MW22.....	3 - MONTH_LUB_2	Rung6 - RUNNING_COUNTER_HOUR	--[...]-- INC %MW22
		Rung7 - RUNNING_TIME	--[<]-- %MW22 < %MW1022
		Rung12 - PAUSE_TIME	--[...]-- %MW22 := 0
%MW25.....	3 - MONTH_LUB_2	Rung7 - RUNNING_TIME	--[...]-- %MW25 := 0
		Rung9 - PAUSE_COUNTER_SEC	--[...]-- INC %MW25
		Rung10 - PAUSE_COUNTER_MIN	--[<]-- %MW25 >= 60
			--[...]-- %MW25 := 0
%MW26.....	3 - MONTH_LUB_2	Rung7 - RUNNING_TIME	--[...]-- %MW26 := 0
		Rung10 - PAUSE_COUNTER_MIN	--[...]-- INC %MW26
		Rung11 - PAUSE_COUNTER_HOUR	--[<]-- %MW26 >= 60
			--[...]-- %MW26 := 0
		Rung12 - PAUSE_TIME	--[<]-- %MW26 < %MW1026
%MW27.....	3 - MONTH_LUB_2	Rung7 - RUNNING_TIME	--[...]-- %MW27 := 0
		Rung11 - PAUSE_COUNTER_HOUR	--[...]-- INC %MW27
		Rung12 - PAUSE_TIME	--[<]-- %MW27 < %MW1027

Address	Object	Rung	Code
%MW1011....	2 - MONTH_LUB_1	Rung7 - RUNNING_TIME	--[<]-- %MW11 < %MW1011
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1011 := 30
%MW1012....	2 - MONTH_LUB_1	Rung7 - RUNNING_TIME	--[<]-- %MW12 < %MW1012
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1012 := 1
%MW1016....	2 - MONTH_LUB_1	Rung12 - PAUSE_TIME	--[<]-- %MW16 < %MW1016
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1016 := 30
%MW1017....	2 - MONTH_LUB_1	Rung12 - PAUSE_TIME	--[<]-- %MW17 < %MW1017
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1017 := 1
%MW1021....	3 - MONTH_LUB_2	Rung7 - RUNNING_TIME	--[<]-- %MW21 < %MW1021
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1021 := 30
%MW1022....	3 - MONTH_LUB_2	Rung7 - RUNNING_TIME	--[<]-- %MW22 < %MW1022
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1022 := 1
%MW1026....	3 - MONTH_LUB_2	Rung12 - PAUSE_TIME	--[<]-- %MW26 < %MW1026
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1026 := 30
%MW1027....	3 - MONTH_LUB_2	Rung12 - PAUSE_TIME	--[<]-- %MW27 < %MW1027
		Rung14 - INITIAL_VALUE_SET	--[...]-- %MW1027 := 1
%Q0.0.....	2 - MONTH_LUB_1	Rung13 - LUBRICATOR_RUN	--( )--
%Q0.1.....	3 - MONTH_LUB_2	Rung13 - LUBRICATOR_RUN	--( )--
%S12.....	1 - COMMON	Rung0 - LUBRICATOR START	--| |--
%TM0.....	2 - MONTH_LUB_1	Rung0 - OVERLOAD CHECK	%TM0
%TM1.....	2 - MONTH_LUB_1	Rung1 - NO ALARM	%TM1
%TM2.....	2 - MONTH_LUB_1	Rung3 - RUNNING_COUNTER	%TM2
%TM3.....	2 - MONTH_LUB_1	Rung8 - PAUSE_COUNTER	%TM3
%TM4.....	3 - MONTH_LUB_2	Rung0 - OVERLOAD CHECK	%TM4
%TM5.....	3 - MONTH_LUB_2	Rung1 - NO ALARM	%TM5
%TM6.....	3 - MONTH_LUB_2	Rung3 - RUNNING_COUNTER	%TM6
%TM7.....	3 - MONTH_LUB_2	Rung8 - PAUSE_COUNTER	%TM7

ANIMATION TABLE

Animation table_0

Used	Address	Symbol	Comment
X	%M1	LUBRICATOR_STOP_BIT	Lubricator Stop Switch - If using the HMI
X	%MW10	RUNNING_SEC_MON_1	Running_Second Time Data - Lubricator #1
X	%MW11	RUNNING_MIN_MON_1	Running_Minute Time Data - Lubricator #1
X	%MW12	RUNNING_HOUR_MON_1	Running_Hour Time Data - Lubricator #1
X	%MW1011	RUNNING_SET_MIN_MON_1	Running_Set the Minute Time Data - Lubricator #1
X	%MW1012	RUNNING_SET_HOUR_MON_1	Running_Set the Hour Time Data - Lubricator #1
	%M13		
X	%MW15	PAUSE_SEC_MON_1	Pause_Second Time Data - Lubricator #1
X	%MW16	PAUSE_MIN_MON_1	Pause_Minute Time Data - Lubricator #1
X	%MW17	PAUSE_HOUR_MON_1	Pause_Hour Time Data - Lubricator #1
X	%MW1016	PAUSE_SET_MIN_MON_1	Pause_Set the Minute Time Data - Lubricator #1
X	%MW1017	PAUSE_SET_HOUR_MON_1	Pause_Set the Hour Time Data - Lubricator #1