

ATO Oil Lubrication Pump

Model: ATO-OLP-MR

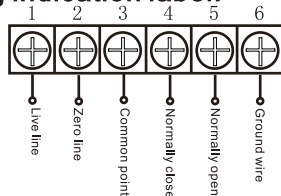


2. All the fully automatic lubricating oil pumps in our company can be used in where the main engine cannot provide intermittent time and oil supply time.

LUB Lubricating indicator light
INT Intermittent light

When the oil tank is short of lubricating oil, the liquid level alarm will sound, and the buzzer will sound. The display screen shows ERO, indicating insufficient oil quantity, and the display screen shows ERP indicating insufficient pressure.

Wiring indication label:



II. Installation and piping

Install the oiler on the main engine directly through the installation hole. M6 or similar fastening screws are recommended.

Install the pipe with the outer diameter of 6mm directly at the oil outlet. The pipe is divided into different lubrication points. To ensure the sealing effect, special ball seal shall be used at the junction.

III. Overflow pressure regulation

The lubricating oil pump produced by our company is set as resistance type 15-17kgf, positive displacement type 20 KGF at the time of delivery.

Adjust the overflow pressure according to the pressure requirement of the system you are using open the oil tank fixing screw, take out the oil pump, and use # 8 bayonet wrench to adjust the overflow valve.

IV. Oil pump exhaust

In order to make the lubricating oil pump work normally, the first use of the need to exhaust. Connect the tubing with oil and exhaust is completed.

V. Time setting (automatic microcomputer only)

1. Working Time: Long press on SET button, when you see the number of "lubrication" screen is bouncing, loosen the SET button, press ▲▼ button to set units digit; Press SET button, press ▲▼ button to set tens digit; Press SET button again, press ▲▼ button to set hundreds digit (1-999 seconds)

2. Interval

Time: Long time press on SET button, when you see the number of "lubrication" screen is bouncing, loosen the SET button, press ▲▼ button to set tens digit; Press SET button, press ▲▼ button to set hundreds digit, at the same time press on ▲▼ button for about 2 seconds, interval conversion in minutes/seconds (1-999 minutes or 1-999 seconds); Also Can be customized to be : press on ▲▼ button for about 2 seconds interval conversion in minutes/hours (1-999 minutes or 1-999 hours).

3. RST button, press this button to relubricate or remove abnormal alarm signal.

4. After the circuit power is connected, the system belongs to the oil supply state and enters LUB and INT cycles, LUB green light on the left side when supplying oil, INT red light on the right side when intermittent.

5. ERO flicker means insufficient oil, ERP flicker means abnormal pressure.

6. There is power off memory function in the middle frame of digital display. Turn on the small switch to enter the power off memory.

Turn off the small switch and the power off memory stops.

7. There is a key lock function in the digital display box, which can be set according to the needs of the user.

VI. Fault handling

The Operating Instructions of lubrication pump:

Thank you for choosing the multipurpose lubrication pump of our company, before you install and use it, please read the instructions in detail.

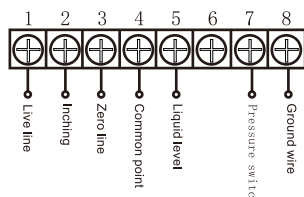
Please make sure the right connection on the type you have chosen, and confirm the oil distribution system and product label is correct. Our company will not be responsible for the accidents caused by improper operation.

I. Type selection and wiring

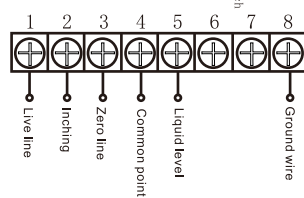
1. All half - automatic and automatic lubricating oil pumps in our company are equipped with wiring theory. Please follow the correct wiring diagram strictly.

Wiring diagram (PLC mainframe control)

With Pressure output
Wiring diagram



Without Pressure output
Wiring diagram



Number	Phenomenon	Probable cause	Solution
1	oil pump not twirl	Wrong voltage grade	Use the right power
		Wrong Connection	Match the wiring according to the wiring diagram
		Inhaling foreign matter will choke the pump	Disassemble oil pump and remove foreign matter
		The coupling is damaged or detached	Reactivate the coupling
		Motor thermal protection works	Wait a few minutes to recover
		The oil level is too low	Add lubricating oil to liquid level
2	underpressure	The motor damage	Replace a new motor
		tubing leak	Drain point
		Pressure gauge failure	replace the manometer
		There is sundries in the overflow valve	Disassemble and clean
		relief valve pressure adjustment is too low	Reset the overflow valve pressure
		filter screen at the oil suction is blocked	Clean the fuel tank and clean the filter screen
3	No oil but the oil pump turns	viscosity of the oil is too low	Choose high viscosity oils
		water level in the tank is too high	drain away water
		The air in the pump is not cleansed	Manual pump oil, exhaust
4	The oil quantity is little	filter screen at the oil suction is blocked	Clean the fuel tank and clean the filter screen
		There is sundries in the overflow valve	Disassemble and clean
		Pipe resistance is too high	Dredge pipe
		relief valve pressure adjustment is too low	Readjust the overflow valve pressure
		Long - term oil pump wear	Increase relief valve pressure or replace pump body
5	Pressure switch out of control	System pressure deficiency	same as the number 2
		Wrong Connection	make the wiring correct
6	level switch is out of control	Pressure switch off	Replace pressure switch
		Floating ball damage	Replace the float ball
7	volumetric distributor does not work properly	liquid level sensor failed	Replace the level sensor
		Wrong Connection	make the wiring correct
		distributor piston rod does not protrude enough	Extend pump oil time
		There is sundries in the overflow valve	Remove the purge overflow valve
		Pressure relief valve jammed	Remove the cleaning and unloading valve
System pressure is too high	Reduce overflow valve pressure appropriately		
	The line is too elastic	Use high quality high rigidity lines	
	Distributor failure	Replacement distributor	