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Information of Engine parts

Ref. No. : HSP-B1605E Date of Issue : September 2016

For Engine Type : MC/MC-C type (with Alpha Lubricator) Alpha lubricator system regular maintenance

Basically cylinder oil feed rate can be much more reduced by using Alpha lubricator system in comparison with the conventional mechanical type lubricator. In order to keep the best performance, it is recommended to have the whole system maintenance at every 2.5 years.

We are developing the whole system maintenance with various inspections by our expert engineers and highly regarded by our customers.



The below tables are shown on the next page for your maintenance schedule plan.

Table 1: Our recommended maintenance schedule

Table 2: Delivery time of the parts and time needed for the maintenance service.

For any inquiries on the maintenance/service, please do not hesitate to contact our sales department below.

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Table 1 Alpha Lubricator System Maintenance Schedule

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 A: Adjustment
 C: Check the condition
 L: Clean up
 R: Replacement
 O: Overhaul

Parts Name	Inspection Items	Maintenance Schedule																		Remarks	
		0.5Y	1Y	1.5Y	2Y	2.5Y	3Y	3.5Y	4Y	4.5Y	5Y	5.5Y	6Y	6.5Y	7Y	7.5Y	8Y	8.5Y	9Y	9.5Y	
1 General	Alarm Log	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C
	Set up Data	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C
2 Power box	AC/DC Convertor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R
3 ALCU	Wiring	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C
	MCU	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	BCU	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	SBU	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
4 Lubricator	Wiring	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C
	Lubricator	-	-	-	-	-	-	-	-	-	O	-	-	-	-	-	-	-	-	-	O
	Accumulator	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	R	*1
	Solenoid Valve	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	Inductive Sensor	-	-	-	-	-	-	-	-	-	R	-	-	-	-	-	-	-	-	-	R
	Intermediate Box	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
5 Transmitter	Wiring	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C
	Rotary Encoder	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	Coupling	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C,R
	Intermediate Box	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	Back up	-	-	-	-	C,L	-	-	-	-	C,L	-	-	-	-	C,L	-	-	-	-	R
	Pick Up Sensor	-	-	-	-	-	-	-	-	-	C,A	-	-	-	-	C,A	-	-	-	-	A,R
6 Booster Pump Unit	Oil Filter	C	C	C	C	L	C	C	C	C	R	C	C	C	C	L	C	C	C	C	R
	Gear Pump	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	Coupling Spider	-	-	-	-	R	-	-	-	-	R	-	-	-	-	R	-	-	-	-	R
	Pump Motor	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	Pump Control Panel	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
7 Radiator	Radiator Fin	-	L	-	L	C	L	-	L	-	C,L	-	L	-	L	C	L	-	L	-	R
	Fan Motor	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
	Radiator Control Panel	-	-	-	-	C	-	-	-	-	C	-	-	-	-	C	-	-	-	-	R
8 Cyl. Liner	Non-return valve	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	R

*1 Accumulator *** Filling gas or replacement is needed depending on N2 gas pressure check results. *2 Index transmitter*** Readjustment is needed depending on the checking results. *3 Radiator control panel***Replacing some specific relay (every 10 years)

Delivery time and working schedule

	Delivery timing	Days of engineer's attendance	Inspection items
At 2.5/7.5 years maintenance	1 week	2 days	System check • Mechanical Function check
At 5 years maintenance	4 weeks	3 days	In addition to the above, lubricator overhaul maintenance, pump station overhaul maintenance
At 10 years maintenance	16 weeks	4 days	In addition to the above, replacement of circuit board • electric power source parts, replacement of lubrication nozzle