WORK INSTRUCTIONS SHEET

OP. NUMBER	DOCUMENT	TC	DATE	RELEASE	SHEET
CI1303			08/03/2013	1	1/3
DESCRIPTION	OIL FILTERING PROCESS FOR OLYMPUS RCV				
PRODUCT	OLYMPUS				

SEGURIDAD

GENERAL INSTRUCTIONS

Comply with all requirements about health and safety.
In case of incident on the process, notify to the responsible person.

Ensure order and cleanliness on the zone , during and after assembly.
Visually check quality of the assembly and give information on the incidents detected.

QUALITY POINT OF CARE

10 EQUIPMENT PARTICLE FILTERING

01- Autonomous equipment particle filtering HYDAC for hydraulic oil. MODEL OF5N
01A- Space for filter cartridge and spring.
02- Suction tube for suck out the oil from the underside of the tank

20 UNMOUNT THE OIL FILTER COVER

03- Loosen the four screws of the oli filter cover. the lid the oil filter, turn the cover clockwise to remove it.
04- Slowly remove the lid working towards ensuring that the pressure spring do not disengages its position.
Keep them safe in the holder located for that purpose on the bottom of the filtration equipment

30 UNMOUNT THE OIL FILTER CARTRIDGE

05-Slowly remove the cartridge inside the filter using the handle on the upper part
Be sure sealing ring is in the correct position.
06- Put the filter lid on place turning it counterclockwise. Tight the four screws.
ensure the sealing of the assembly.

40 UNMOUNT THE INSPECTION COVER OF THE HIDRAULIC TANK.

07- Remove the 8 screws of the inspection cover, save them along with the rubber gasket and cover.
08- Take care nothing falls inside the tanck (cloth, tools or materials,...).

50 MOUNT THE SUCTION PIPE

09- Fit the rubber gasquet and the suction pipe of HYDAC filtering machine into the tank trought the inspection window.
10- Use the original screws to fix the suction pipe. Tight them up in diagonal to ensure the sealing of the assembly.

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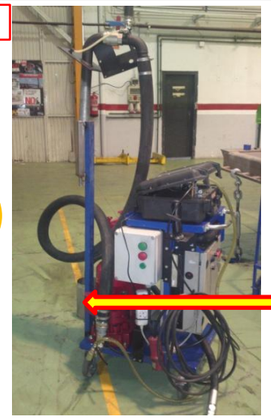

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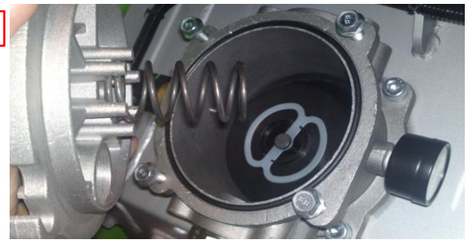

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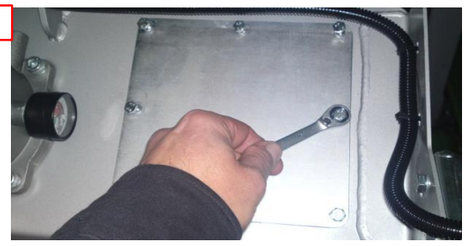

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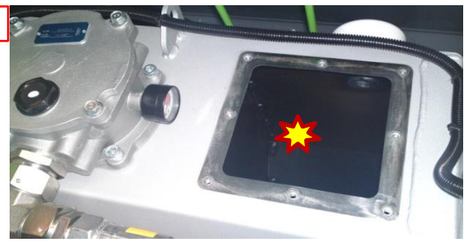

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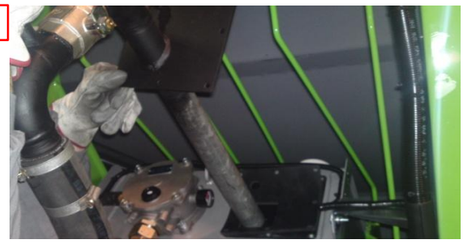

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WORK INSTRUCTIONS SHEET

OP. NUMBER	DOCUMENT	TC	DATE	RELEASE	SHEET
CI1303			08/03/2013	1	2/3
DESCRIPTION	OIL FILTERING PROCESS FOR OLYMPUS RCV				
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SEGURIDAD

60 FILL IN THE TANK AND ASPIRATION HOSE

11- Fill in the tank with the requested oil through the fill in fitting of the RCV.
12- In case to depriming close the shutoff valve breathing.
13- Open the valve of 3/4" (vertical) and put oil throught the nozzle (as shown in picture)
until completely fill in the hose. Use the drain 1/4" to know that hose is full.
After filling in the hose, close the 3/4" valve and drainage valve and mount the upper cap to avoid pollution go inside.

70 OPEN SUCTION VALVE

14- Open the suction valve of the pipe and ensure the 3/4" fill in valve is closed.

80 CONNECT THE PRESSURE PIPE OF FILTERING MACHINE

15- Unmount the fill in hose from the fitting (RCV) and fit the presure hose of the HYDAC machine.
(located under the belly pah tray)
16- The filtering equipment is now connected to the RCV.

90 unit of control filtration

17- The FCU 1000 is a portable device used for the measurement of the level of pollution for the hidraulic oil (sòlid particles conting method),
% of humidity and the fluid temperature

18- the user interface is:

1 Indicator of "ISO, SAE/NAS,FLOW, DRIVE" with keyboard
2 Indicator of the "water saturation"
3 Indicator of the "fluid temperature"
4 Switch ON / OFF of the internal pump
5 Supply voltage 24V DC
6 Data interface (DATA)
7 Outlet connection
8 Inlet Connection, model 1604
9 USB interface with lid
- Bluetooth Interface

100 PROCEED WITH THE FILTERING PROCESS

19- Carry out all the sealing test and quality check of the units with the auxiliar engine / engine in operation.
Start the filtering equipment for 30 minutes.
Proceeded with the complete test cycles of the cylinders according to the chart.
Do not switch on the pump (4) of the measurement unit until the last 10 minutes of the process.

IMPORTANT:
The diagnosis of filtering is measured through the (8) connection input , model 1604 connected the output of the equipment.
Different measurements from different point of the equipment can be realized with the connection model 1604.

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OIL FILTERING PROCESS BREAKDOWN

Movements	*Test Cycles*	*pre-operation*	*Filtering cycle time*	*USB data collection time*
Tailgate lifting rams	3	Unmount the oil tank filter	30 min	10 min
Packer & Sweeper rams	10			
Ejector Plate ram	2			
Lifter rams	20			

OP. NUMBER	DOCUMENT	TC	DATE	BOLETÍN	SHEET
CI1303			08/03/2013	1	3/3
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SEGURIDAD

IMPORTANT
Before introducing the Pendrive ensure display shows levels ISO 18.16.13 or under.

110 CONNECT THE PENDRIVE IN THE INTERFACE

20- Unscrew the lid and connect the pendrive

IMPORTANT :
Transfer the measured data into a folder with the number of proyect in the FTP.

120 UNMOUNT THE FILTERING AND MEASUREMENT NET

Disconnect to network the equipment

21. Close the suction valve (picture 13) and unscrew the 8 screw of M6.

Place the rubber gasket and mount the inspection window cover (tight the screws in diagonal and ensure the sealing)

22- Mount again the original oilf filter and spring reversing the initial operation.

IMPORTANT:
Ensure the correct position of the oil cartridge, sealing ring and spring.

Disconnect the presure hose.

IMPORTANT:
Before disconnecting the auxiliary engine fully open and close the ejector plate cylinder.
Check there is not oil likages througt the covers.
Clean any possible rest of oil

130 FILTER MAINTENANCE AND CAVITATION.

24- When the manometer of upper site of the HYDAC's filter cover exceed the 2.5 Bar, maintenance of the filter cartridge has to be realized.

25- In case to internal cavitation during operation extract the air from the system trought the upper valve in the filter.

Process end

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LAPIZ DE MEMORIA USB

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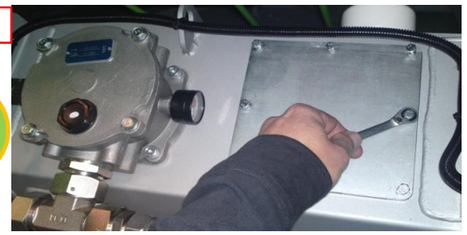

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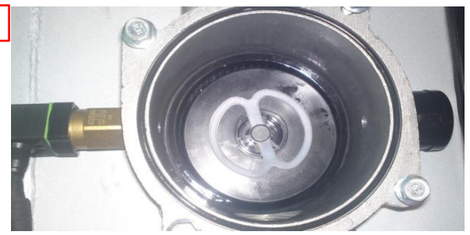

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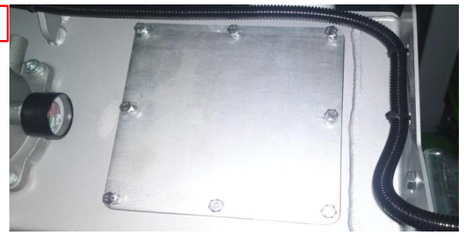

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