

Machine Status Report

Customer's Data		Machine's Data	
Company	AM Fresh Food & Drink (UK) Limited	Machine nr.	M0073/2
Address	WN8 9TQ	Date Start Up	
City	Skelmersdale	Model	H135
Country	UK		
Contact	Steven Fisher	Downtime	

Hiperbaric Service's Data		Start	End
Service call nr.	7937	Dates	28/09/2023 01/10/2023
OF nr.	34835	Cycles	117350 117350

Subject

Machine status check before decommissioning

Remarks

Signatures

Field Engineer	Service Engineer	After Sales Manager
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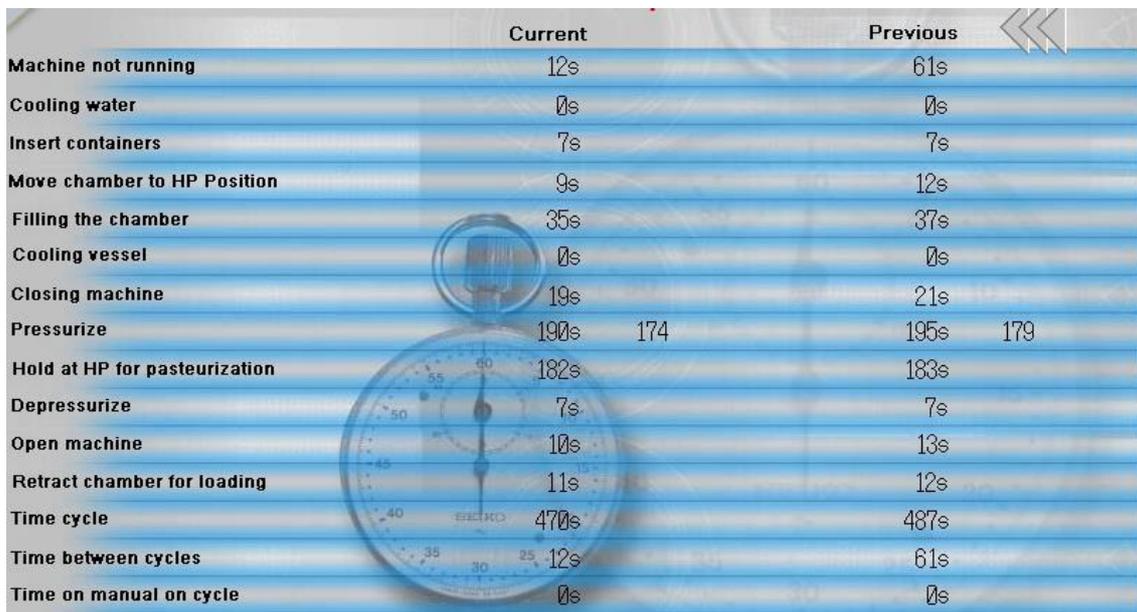
1. General operation

During this visit, Hiperbaric technicians has tested this machine and run this machine using the maximum recipe pressure (6000 bar). These test cycles were run without any alarm, indicating a good general state of the machine.

The number of repressurizations was appropriate for the cycle duration, indicating the absence of high-pressure leakages.

The vessel displacement during the high pressure cycle was very low (below 0.2 mm), as plugs and vessel alignment is very good. No abnormal displacement values are shown during the plugs and wedges movement.

The stage times are within normal values for a machine that has run over 100k cycles.



	Current	Previous
Machine not running	12s	61s
Cooling water	0s	0s
Insert containers	7s	7s
Move chamber to HP Position	9s	12s
Filling the chamber	35s	37s
Cooling vessel	0s	0s
Closing machine	19s	21s
Pressurize	190s 174	195s 179
Hold at HP for pasteurization	182s	183s
Depressurize	7s	7s
Open machine	10s	13s
Retract chamber for loading	11s	12s
Time cycle	470s	487s
Time between cycles	12s	61s
Time on manual on cycle	0s	0s

1. Stage times at 6000 bar

2. Plugs

The general aspect of the plugs is good. No external cracks are detected on the rings. Seals are in good conditions. No leak is detected during any stage of the cycle. The slydrings are replaced in S1 plug as the old parts were not in perfect conditions.



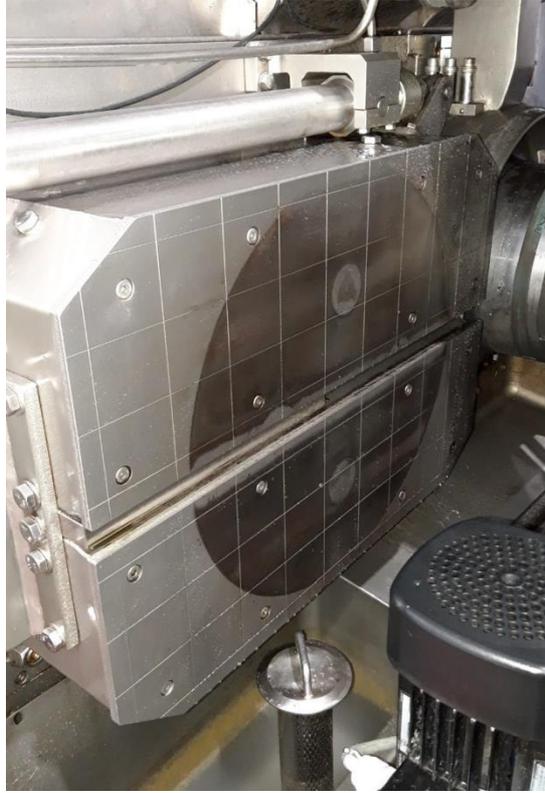
2. Side 1 plug



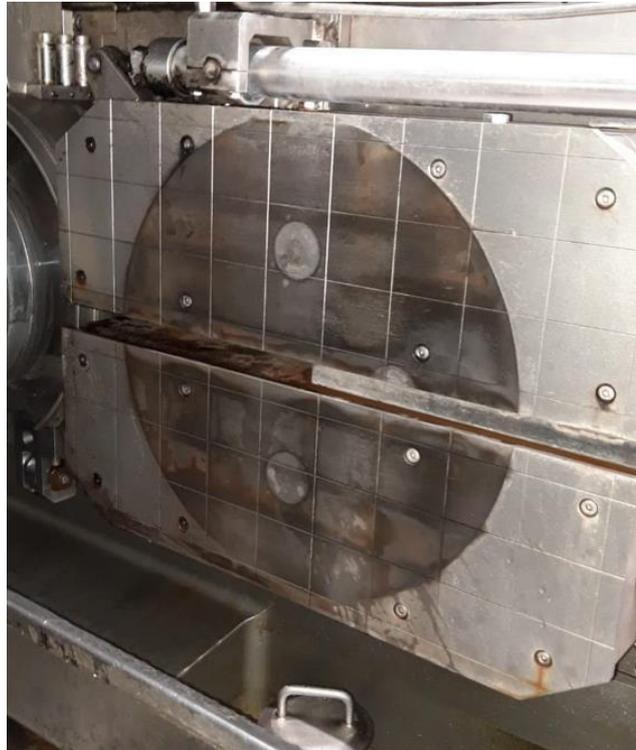
3. Side 2 plug

3. Wedges

Wedges state is good. No cracks on the wedge skin are detected.



4. Side 1 wedge



5. Side 2 wedge



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4. H-plates

These parts do not show any crack or bending, so there is no need for replacement in the short term.



6. Side 1 H-plate



7. Side 2 H-plate



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5. Cradle and bench

The guides show no scratch or deep marks, indicating a good status of the wheels and bearings.



8. Side 1 rolling guide



9. Side 2 rolling guide



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6. Discharge valves

No high-pressure leak is detected on these components.



10. Side 1 discharge valve



11. Side 2 discharge valve



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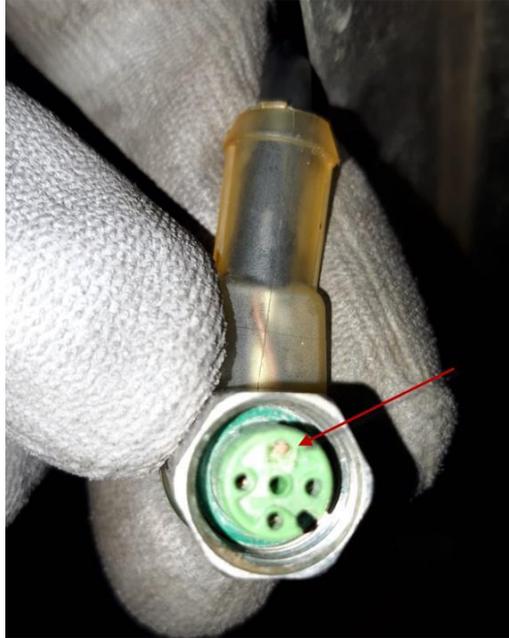
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7. Electrical components

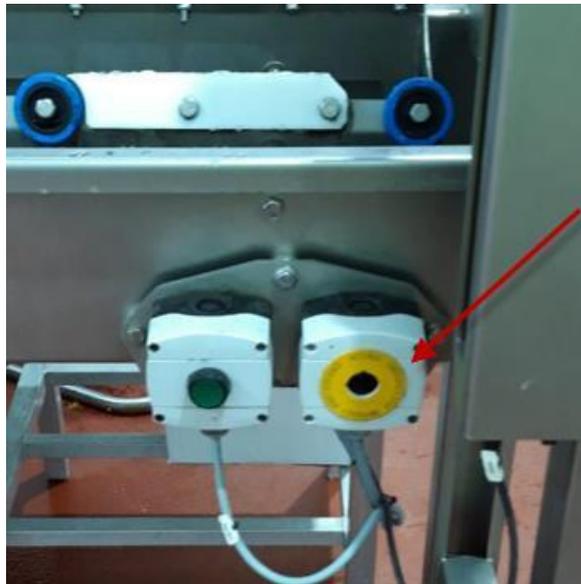
Some electrical components present defects:

- A discharge valve temperature sensor cable has one pin inserted on it, and it need to be replaced as this pin cannot be extracted.



12. Broken pin in the connector

- An emergency stop button is missing in the output conveyor.

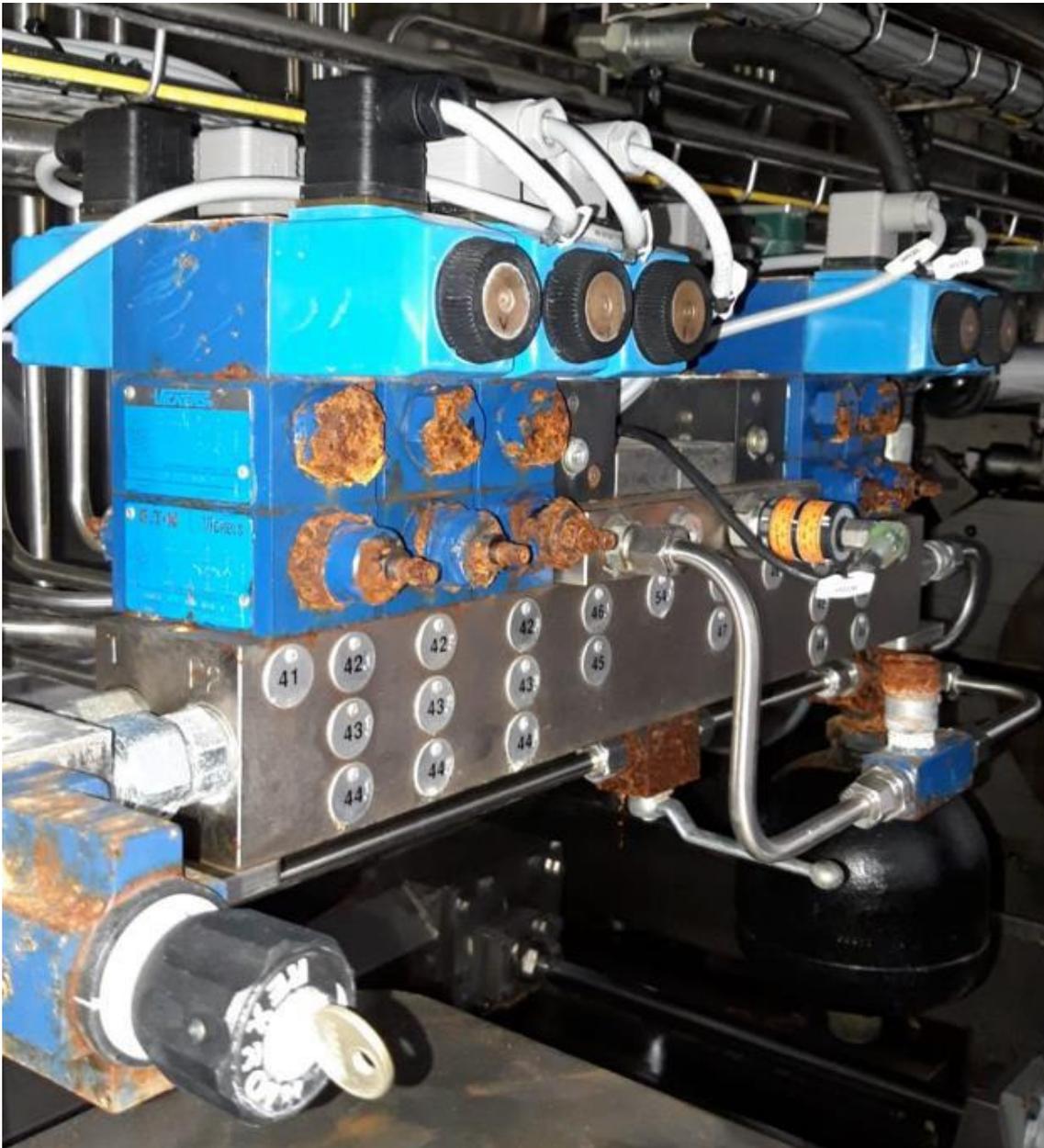


13. Missing button

The missing material can be sent, so it can be replaced when the machine is started up again.

8. Hydraulics

Some valves in the hydraulic block show external corrosion. However, they work properly.



14. Hydraulic block



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9. Intensifier

After a high-pressure seal replacement, no water or oil leak is detected. No malfunction is detected in the intensifier. The external part of some hydraulic component present some rust, but these parts are working properly.



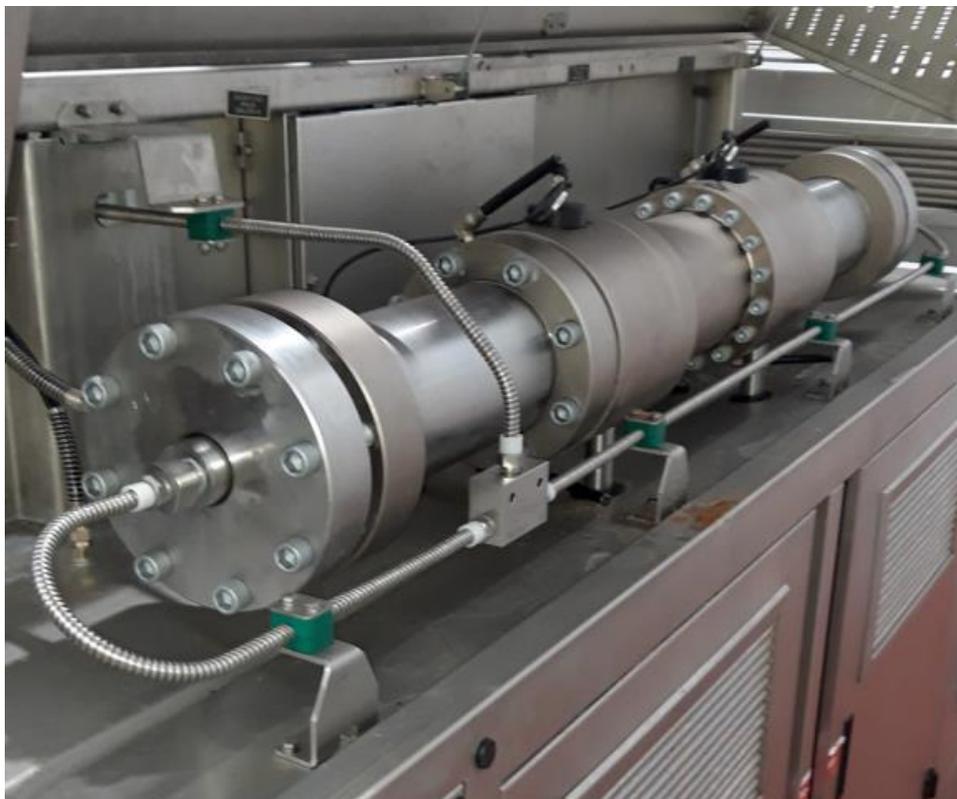
15. HP1 multiplier



16. HP1 pump



17. HP1 directional valve



18. HP2 multiplier



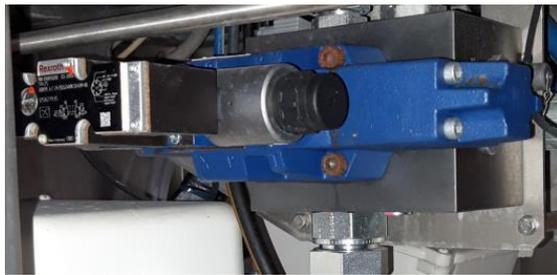
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19. HP2 pump



20. HP2 directional valve



21. Oil filtering and cooling system



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