



# Heat Exchanger Inspection Checklist

24 Jul 2025 / Fern Lynch

Complete

Score	23 / 25 (92%)	Flagged items	2	Actions	1
Inspection Date	24.07.2025 14:00 PST				
Name of Inspector	Fern Lynch				
Inspection Location	5016 Trimmier Rd, Killeen, TX 76542, USA (31.0696925, -97.7409747)				

Flagged items & Actions

2 flagged, 1 action

Flagged items

2 flagged, 1 action

Performance Check / Pre-Inspection Planning

Are spare parts available for prompt repairs if needed?

No

**To do** | Assignee: SafetyCulture Staff | Priority: High | Due: 25.08.2025 08:52 PST | Created by: SafetyCulture Staff

Pls restock on parts ASAP!

Call gavin's workshop and tell them we will pay them by today

Performance Check / Pressure Checks

Is the pressure in the system stable, with no drops exceeding 5 PSI?

No

Other actions

0 actions

Performance Check		2 flagged, 1 action, 18 / 20 (90%)
Pre-Inspection Planning		1 flagged, 1 action, 2 / 3 (66.67%)
Has inspection been scheduled during downtime to minimize production impact?	Yes	
Are spare parts available for prompt repairs if needed?	No	
<b>To do</b>   Assignee: SafetyCulture Staff   Priority: High   Due: 25.08.2025 08:52 PST   Created by: SafetyCulture Staff		
Pls restock on parts ASAP!		
Call gavin's workshop and tell them we will pay them by today		
Has a backup plan been established for sourcing the necessary parts quickly?	Yes	
spare part delivery should arrive by tomorrow		
Material Integrity		2 / 2 (100%)
Is the heat exchanger surface free of visible rust, corrosion, or cracks?	Yes	
Is the heat exchanger free from sludge or particulate buildup in key areas, as verified with tools like borescopes?	Yes	
Operational Checks		2 / 2 (100%)
Is the flame contained within the combustion chamber (for furnace heat exchangers)?	N/A	
Are the components free from abnormal vibrations or noises?	Yes	
Is the fluid or gas flow maintained throughout the system?	Yes	
Gas and Fuel Leaks		3 / 3 (100%)
Are the seals, joints, or connections free from any visible fuel or gas leaks?	Yes	
Is the combustion process operating without issues?	Yes	
Is the area free of signs of carbon monoxide buildup or hazardous emissions?	Yes	
Pressure Checks		1 flagged, 2 / 3 (66.67%)

<b>Is the pressure in the system stable, with no drops exceeding 5 PSI?</b>	No
<b>Has the cause of the pressure drop been identified and rectified?</b>	Yes
<b>Are the pressure levels within the correct operational range for the heat exchanger?</b>	Yes
Gauge Accuracy	2 / 2 (100%)
<b>Are the thermometers calibrated and showing accurate readings?</b>	Yes
<b>Are the pressure gauges functioning properly and showing the correct system pressure?</b>	Yes
Scheduled Maintenance	2 / 2 (100%)
<b>Are the maintenance logs up-to-date with the latest inspections and repairs?</b>	Yes
<b>Is the preventive maintenance schedule being followed for all components?</b>	Yes
Related Components	3 / 3 (100%)
<b>Are the blower fans, motors, and belts functioning correctly?</b>	Yes
<b>Are the airflow systems, dampers, and filters free of any blockages?</b>	Yes
<b>Are the vents, flue passages, and safety switches operational?</b>	Yes

<b>Safety Compliance</b>		5 / 5 (100%)
PPE Compliance		2 / 2 (100%)
<b>Is proper personal protective equipment (PPE) being worn during the inspection and operation?</b>		Yes
<b>Is hearing protection, respiratory equipment, and other necessary PPE used where required?</b>		Yes
Regulatory Compliance		3 / 3 (100%)
<b>Are all inspection steps in compliance with OSHA regulations for pressure systems?</b>		Yes
<b>Are the procedures following OSHA's combustion and maintenance safety requirements?</b>		Yes
<b>Have all safety measures been documented and confirmed as followed during the inspection?</b>		Yes

## Completion Page

### Additional notes and/or comments

No comment. Everything seems to be in place :)

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### Inspector's Signature

A handwritten signature in black ink, consisting of the letters 'F' and 'L' followed by a large checkmark.

Fern Lynch  
17.07.2025 13:50 PST

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