

ISD Alarm Troubleshooting Summary

ISD Alarm Troubleshooting Summary				
Message	ISD Category	Light	Cause	Suggested Troubleshooting ¹
ISD VAPOR LEAKAGE WARN	Containment	Yellow	Containment system leaks at 2 times the TP-201.3 standard.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com • Exhibit 4 • VST ASC Level C
ISD VAPOR LEAKAGE FAIL ²	Containment	Red	8 th Consecutive Failure of Pressure Integrity (Vapor Leak) Test	
ISD GROSS PRESSURE WARN	Containment	Yellow	95 th percentile of 7-days' ullage pressure exceeds 1.3 IWC.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com • Exhibit 8 • Exhibit 9 • VST ASC Level C
ISD GROSS PRESSURE FAIL ²	Containment	Red	8 th Consecutive Failure of Gross Containment Pressure Test	
ISD DEGRD PRESSURE WARN	Containment	Yellow	75 th percentile of 30-days' ullage pressure exceeds 0.3 IWC.	
ISD DEGRD PRESSURE FAIL ²	Containment	Red	31 st Consecutive Failure of Degradation Pressure Test	
hnn ³ : FLOW COLLECT WARN	Collection	Yellow	Vapor collection flow performance is less than 50%.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • Exhibit 11 • VST ASC Level C
hnn ³ : FLOW COLLECT FAIL ²	Collection	Red	2 nd Consecutive Failure of Vapor Collection Flow Performance Monitoring Test	
ISD VP* STATUS WARN	Processor	Yellow	Failure of Vapor Processor Effluent Emissions or Duty Cycle test.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • VP Emission Test • VP Duty Cycle Test • VST ASC Level C
ISD VP STATUS FAIL ²	Processor	Red	2 nd Consecutive Failure of Vapor Processor Status test.	
ISD VP PRESSURE WARN	Processor	Yellow	90 th percentile of 1 day ullage pressure exceeds 1 IWC.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • Exhibit 8 • Exhibit 9 • VST ASC Level C
ISD VP PRESSURE FAIL ²	Processor	Red	2 nd Consecutive Failure of Vapor Processor Overpressure Test	

ISD Alarm Troubleshooting Summary

Message	ISD Category	Light	Cause	Suggested Troubleshooting ¹
VP EMISSION WARN	Processor	Yellow	Mass emission exceeded the certified threshold.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • Exhibit 6 • Exhibit 9 • VST ASC Level C
VP EMISSION FAIL	Processor	Red	2 nd Consecutive Mass emission test failure.	
VP DUTY CYCLE WARN	Processor	Yellow	Duty cycle exceeds 18 hours per day Or 75% of 24 hours.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • PMC Setup Procedure • Exhibit 8 • Exhibit 9 • Exhibit 4 • VST ASC Level C
VP DUTY CYCLE FAIL	Processor	Red	2 nd Consecutive Duty Cycle Test Failure.	
ISD SENSOR OUT WARN	Self-Test	Yellow	Failure of Sensor Self-Test	<ul style="list-style-type: none"> • Confirm ISD sensor & module installation / communication per VR 204 IOM Section 16, Chapter 2 • VST ASC Level C
ISD SENSOR OUT FAIL	Self-Test	Red	8 th Consecutive Failure of Sensor Self-Test	
ISD SETUP WARN	Self-Test	Yellow	Failure of Setup Test	<ul style="list-style-type: none"> • Confirm EVR/ISD programming per VR 204 IOM Section 16 • VST ASC Level C
ISD SETUP FAIL ²	Self-Test	Red	8 th Consecutive Failure of Setup Test	

¹See ISD Troubleshooting Manual P/N 577013-819 and the VST ISD Troubleshooting Guide 9513-003 found at www.vsthose.com for a complete list of suggestions.

²ISD Site shut down alarms ***VP=Vapor Processor**