VDAS Loss Of Pressure (LOP) Fire Suppression System 12-monthly Service Sheet

CUSTOMER:			
DATE:	9-2-23	**Purchase Order No:**	
MACHINE No:	MC1281	**Work Order No:**	

Is the Equipment Serviceable?	☑YES (continue below) ☐NO (list required repairs at the bottom)

1.	Check cylinder date to make sure a 5 yearly is not required.	☑
2.	Record cylinder manufacturing date (or last pressure test date) to identify if hydrostatic testing is required. Ensure the cylinder is not damaged / dented. Date: 2023 (MM/YY)	☑
3.	Perform a discharge test by activating the system via a remote actuation point. Please follow local/state government and site specific requirements and procedures - Refer to the foam change out procedure if required. Record discharge time and observe nozzle area coverage. 110 secs.	☑
4.	Ensure that all dust caps blow off all nozzles.	☑
5.	Engine shutdown delay test completed (Cross if N/A ☐) Record shutdown delay: ____ secs	☐
6.	Inspect the spray pattern to ensure it has appropriate coverage in the hazard areas identified (based on nozzle placement and general risk area locations - Video recording is recommended to identify and verify nozzle spray pattern and discharge time).	☑
7.	After discharge test has been performed ensure that the system is fully degassed (refer to Section 8.2 of the service manual).	☑
8.	Flush fresh water through the nozzles to remove all traces of foam agent. Once the the discharge lines are free of foam agent use extreme care to ensure the lines are free of moisture using air/nitrogen. Clean the machine free of foam.	☑
9.	Lubricate silicon nozzle dust caps (replace if damaged) or nozzle O-rings (for brass caps) with Molykote 111 O-ring grease and re-fit dust caps onto the nozzles.	☑
10.	Inspect detection tube and replace as required or at the 24 month period, whichever comes first.	☑
11.	Remove, service and reinstall remote actuator/s as per the LOP Service and Maintenance Manual.	☑
12.	Remove, service and reinstall the main cylinder valve(s) as per the LOP Service and Maintenance Manual.	☑
13.	Seat piston manually prior to reinstalling LOP valve, to make sure it is seated fully.	☑
14.	Inspect siphon tube(s). Replace if collapsed, bulges, kinked, incorrect length, has holes, or is loose on the hose barb.	☑
15.	Fill and charge the system to manufacturers specifications. If previously installed with a non-Fluorine free agent remove old label and replace with correct fluorine free label as per cylinder size and manufacturer of agent. (For fill details on QTEC Systems, refer to Section 15. of the LOP Service and Maintenance Manual' or check cylinder label. See Table 1. Below for pressure table)	☑

16. Check that the relief valve fitted to the cylinder fill plug moves freely.	☑
17. Carry out a leak test using the pressure gauges as a visual and utilise a leak detector spray on all possible leak points in the system. (For details, refer to Section 19.1. of the 'LOP Service and Maintenance Manual')	☑
18. Recorded pressure on all remote actuator(s) and cylinder(s): Location#1: Cylinder Pressure: 1350 kPa Location#2: RA Stairs Pressure: 1350 kPa Location#3: RA Cab Pressure: 1350 kPa (If more than 3 Cylinders and actuators, complete the remaining info on the Remarks section)	☑
19. Fit anti-tamper ties to remote actuator/s.	☑
20. Install AS 5062 service tag if missing. Stamp service tag #2 (Yearly) at the current date	☑
21. On completion of the service the LOCKOUT officer / staff member needs to conduct a final walk around to check all connections, hoses and service points for a final inspection before reinstating of the system serviceability.	☑
22. Update service record on the Fire Suppression Database.	☐

Labour time:		
	Start (time)	0630
	Finish (time)	1100
	Total	4.5 Hours

Further repairs required:
- Detection tube due@ next 12 monthly
- Engine shutdown failed, needs rectifying

From PIRTEK	
Pirtek Centre Name:	
Technician Name:	Jarrod
Signature:	
Date:	9-2-23

From Customer/End User	
Name	
Signature:	
Date:	

Ambient Temperature (°C)	Charge Pressure (kPa)
0	1,260
5	1,280
10	1,305
15	1,325
20	1,350
25	1,375
30	1,395
35	1,420
40	1,445
45	1,465
50	1,490

Table 1.1
Charging Pressure v Ambient Temperature for QTEC Systems