

Lastfire Foam Test Results

Manufacturer/Site

Angus Fire

Date: 19th August 2024

Foam Concentrate Characteristics

Type:	Respondol ATF 1/3 - 1/3% AR-SFFF	pH at 20°C	not recorded	S.T. @ 1%	not recorded
		S.G. at 20°C	1.070		
Concentration:	1%	R.I. at 20°C	not recorded	Viscosity at 20°C	not recorded
Water type	salt water			C/P @ 750s-1	
Batch No.	REPB01L				

Foam Quality

	Expansion	25 % Drainage Time
Semi-Aspirated	3.8	21'16"
Aspirated	6.2	18'25"
System	5.7	8'50"

Test Conditions

	Ambient Temp: °C	Wind Velocity: m/s
Semi-Aspirated	15.5	gusts to 2 m/s
Aspirated	15.0	gusts to 2 m/s
System	16.0	gusts to 2 m/s

Fuel Type / Tank Temps °C

Type	Fuel	Water/substrate
Heptane	15.0	16.0
	19.0	22.0
	23.0	26.0

Nozzle Calibration

	Source	Specified	Actual
Semi-Aspirated	Lastfire	19.0 lpm	19.0 lpm
Aspirated	Lastfire	17.0 lpm	17.0 lpm
System	Lastfire	11.7 lpm	11.7 lpm

Fire Performance Data

	Semi-Asp.	Marks	Aspirated	Marks	System	Marks
'Control' Time	3'50"	5	4'20"	5	4'57"	5
Extinguishment Time	8'20"	55	5'16"	65	7'28"	55
Torch Test @ 12min:	NO REIG	7.5	NO REIG	7.5	NO REIG	7.5
Torch Test @ 23 min:	NO REIG	7.5	NO REIG	7.5	NO REIG	7.5
Burnback Resistance	see notes	5	self ext	15	Self ext	15
Overall Rating		80 GOOD		100 GOOD		90 GOOD

Notes / Comments

Test Reference LFRRevD-24-07

Purpose of Test	Factory Batch
Test Location:	Manufacturer facility
Initial of Tester	PW

Signed:



Lastfire Project Co-ordinator

Note: This certificate is valid for this batch only

Any physical properties provided are for information only, not as a certificate of analysis

Note Semi Asp burnback: 55% circumference, 20% ghosting and 10% area at end of test