Pump Check & Flow Test

Location:		**Date:**	
Engine #:		**Reviewed by:**	
Pump Make/Model:		**Pump Hours:**	
Foam Unit Make/Model:		**Last Performance Test:**	
Drill Parameters	Evaluator will test engine personal on their ability to operate pump and foam unit. The evaluator will require the operator to start pump, regulate water pressure, adjust foam consistency and draft water.		
Performance Expectation	Engine operator will perform basic preventive maintenance, start pump, regulate water pressure, adjust foam consistency, draft water, and perform a flow test.		
Equipment	Fully equipped engine, Flow test meter, Water source to draft from.		

Key Code: E = Exceeds Standard M = Meets Standard NI = Needs Improvement

	Task	Code	Remarks
1.	Perform basic preventive maintenance checks to include: a. Check pump gear oil b. Check engine oil c. Check radiator coolant level d. Check air filter		 a. b. c. d.
2.	Primes pump and drafts water.		
3.	Starts pump and regulates pressure.		
4.	Regulates foam proportioner to required levels.		
5.	All discharges flow water, valves and handles work correctly.		
6.	Foam proportioner operates properly.		
7.	System does not leak: a. Tank b. Manifolds c. Hoses		 a. b. c.

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8.	Emergency shut down system operates properly: a. Low water pressure b. High engine temperature c. Low oil pressure		 a. b. c.
9.	All gauges operate properly. a. Tachometer b. Hour meter c. Water level d. Water pressure e. Oil pressure f. Water Temperature g. Amp meter		 a. b. c. d. e. f. g.

PSI	GPM	RPM
Free Flow		
50 PSI		
100 PSI		
150 PSI		
200 PSI		
250 PSI		
300 PSI		