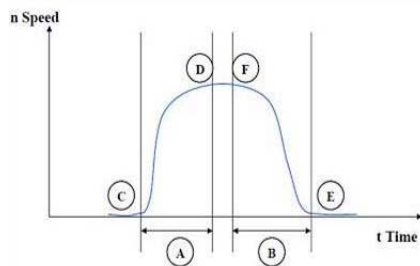


DDT Manual – Engine Test

Engine Test – Run Up Test

- Purpose : to determine the performance capability of an individual cylinder
- Test Logic :
 - submit the engine to a variation of the injection quantity demand.
 - submit the engine to a variation of the injection quantity demand with injector shut off (1-5-3-6-2-4)



(C) Engine speed is kept on idle rpm.
 (C – D) Injection quantity of all cylinders is increased. Engine cycle speed increases until it reaches a target.
 (E – F) Injections quantity of all cylinders is stopped. Engine speed is decreased until it reached idle rpm.
 (E) Engine speed is kept on idle rpm again.
 Above sequence is repeated (with target on engine revolution instead of engine speed) without injection on 1 cylinder.

- How To

Color	Cylinder	A(m/s)	B(m/s)	C(rpm)	D(rpm)	E(rpm)	F(rpm)
None	806.761	828.052	911.0	1800.5	895.5	1784.5	
Blue	876.446	675.000	911.0	1612.5	898.0	1598.0	
Green	876.163	693.377	910.0	1614.0	887.0	1600.0	
Yellow	877.372	686.955	909.5	1612.5	899.5	1610.5	
Purple	876.027	694.326	911.0	1614.5	883.5	1600.0	
Red	875.065	692.001	911.0	1614.0	890.5	1601.5	
Orange	877.584	707.578	908.5	1613.0	883.0	1611.5	

1. Click Auto Start
 2. Test in progress
 3. Test Finished
- Graph shown