

Appendix B

Tabulation of All Test Ratings

Attachments:

1. ULP Test Ratings (10 engines)
2. E10 Test Ratings (10 engines)
3. E20 Test Ratings (10 engines)

ULP Fuel Tests

		Performance Tests												Tank "Run-dry" Simulation									Tank "Run-dry"			
Engine #	Fuel Type	Docking / Manoeuvring	Fast Shift	Vibration	Smoke	Noise	Idle	Trolling @ 1450rpm	Trolling @ 1000rpm	Post-Troll Accel (1450rpm)	Post-Troll Accel (1000rpm)	Steer-Tilt	Accel (Fast)	Accel (Slow)	Start1 (demerit)	Idle1	Run1	Start2 (demerit)	Idle2	Run2	Start3 (demerit)	Idle3	Run3	Start1, # pulls	Start2, # pulls	Start3, # pulls
4	ulp	10.0	10.0	7.0	8.0	7.0	8.0	7.0	8.0	8.0	8.0	7.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
5	ulp	10.0	10.0	8.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
6	ulp	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
7	ulp	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	-2.0	8.0	8.0	-1.0	8.0	8.0	-1.0	7.0	8.0	3	2	2
8	ulp	10.0	10.0	8.0	8.0	7.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
9	ulp	10.0	10.0	7.0	8.0	7.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
10	ulp	10.0	10.0	8.0	8.0	7.0	8.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	-1.0	8.0	8.0	1	1	2
11	ulp	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	-1.0	7.0	8.0	0.0	8.0	8.0	1	2	1
12	ulp	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
13	ulp	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	-1.0	8.0	8.0	0.0	8.0	8.0	1	2	1
Average		10.0	10.0	7.8	7.9	7.0	7.9	7.6	8.0	8.0	8.0	7.9	8.0	8.0	-0.2	8.0	8.0	-0.3	7.9	8.0	-0.2	7.9	8.0	1.2	1.3	1.2
Stdev		0.0	0.0	0.4	0.3	0.0	0.3	0.7	0.0	0.0	0.0	0.3	0.0	0.0	0.6	0.0	0.0	0.5	0.3	0.0	0.4	0.3	0.0	0.6	0.5	0.4
Max		10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	3.0	2.0	2.0
Min		10.0	10.0	7.0	7.0	7.0	7.0	6.0	8.0	8.0	8.0	7.0	8.0	8.0	-2.0	8.0	8.0	-1.0	7.0	8.0	-1.0	7.0	8.0	1.0	1.0	1.0

E10 Fuel Tests

		Performance Tests												Tank "Run-dry" Simulation									Tank "Run-dry"			
Engine #	Fuel Type	Docking / Manoeuvring	Fast Shift	Vibration	Smoke	Noise	Idle	Trolling @ 1450rpm	Trolling @ 1000rpm	Post-Troll Accel (1450rpm)	Post-Troll Accel (1000rpm)	Steer-Tilt	Accel (Fast)	Accel (Slow)	Start1 (demerit)	Idle1	Run1	Start2 (demerit)	Idle2	Run2	Start3 (demerit)	Idle3	Run3	Start1, # pulls	Start2, # pulls	Start3, # pulls
4	e10	10.0	10.0	7.0	8.0	7.0	7.5	6.0	8.0	8.0	8.0	7.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
5	e10	10.0	10.0	8.0	8.0	7.0	8.0	8.0	7.0	8.0	7.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
6	e10	10.0	10.0	8.0	8.0	7.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
7	e10	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
8	e10	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	-3.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	4	1	1
9	e10	10.0	10.0	8.0	7.5	7.0	8.0	8.0	8.0	8.0	7.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
10	e10	10.0	10.0	8.0	8.0	7.0	7.5	5.0	8.0	8.0	1.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
11	e10	10.0	10.0	8.0	8.0	7.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
12	e10	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	-1.0	8.0	8.0	1	1	2
13	e10	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
Average		10.0	10.0	7.9	8.0	7.0	7.9	7.4	7.8	7.9	7.1	7.9	8.0	8.0	-0.3	8.0	8.0	0.0	8.0	8.0	-0.1	8.0	8.0	1.3	1.0	1.1
Stdev		0.0	0.0	0.3	0.2	0.0	0.2	1.1	0.4	0.3	2.2	0.3	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.9	0.0	0.3
Max		10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	4.0	1.0	2.0
Min		10.0	10.0	7.0	7.5	7.0	7.5	5.0	7.0	7.0	1.0	7.0	8.0	8.0	-3.0	8.0	8.0	0.0	8.0	8.0	-1.0	8.0	8.0	1.0	1.0	1.0

E20 Fuel Tests

		Performance Tests												Tank "Run-dry" Simulation									Tank "Run-dry"			
Engine #	Fuel Type	Docking / Manoeuvring	Fast Shift	Vibration	Smoke	Noise	Idle	Trolling @ 1450rpm	Trolling @ 1000rpm	Post-Troll Accel (1450rpm)	Post-Troll Accel (1000rpm)	Steer-Tilt	Accel (Fast)	Accel (Slow)	Start1 (demerit)	Idle1	Run1	Start2 (demerit)	Idle2	Run2	Start3 (demerit)	Idle3	Run3	Start1, # pulls	Start2, # pulls	Start3, # pulls
4	e20	10.0	8.0	7.0	8.0	7.0	8.0	5.0	8.0	8.0	8.0	7.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	7.0	1	1	1
5	e20	10.0	10.0	8.0	8.0	7.0	8.0	5.0	8.0	8.0	7.0	7.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
6	e20	10.0	10.0	8.0	8.0	7.0	7.0	8.0	8.0	8.0	1.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
7	e20	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	1.0	8.0	8.0	8.0	8.0	-1.0	8.0	8.0	-2.0	8.0	8.0	-3.0	8.0	8.0	2	3	4
8	e20	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	1.0	8.0	8.0	8.0	-1.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	2	1	1
9	e20	10.0	10.0	8.0	8.0	7.0	8.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
10	e20	10.0	10.0	8.0	8.0	7.0	2.0	3.0	2.0	8.0	1.0	8.0	3.0	6.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
11	e20	10.0	10.0	8.0	8.0	7.0	8.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	-1.0	8.0	8.0	0.0	8.0	8.0	1	2	1
12	e20	10.0	10.0	8.0	8.0	7.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
13	e20	10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	1	1	1
Average		10.0	9.8	7.9	8.0	7.0	7.3	6.6	7.4	7.3	5.8	7.8	7.5	7.8	-0.2	8.0	8.0	-0.3	8.0	8.0	-0.3	8.0	7.9	1.2	1.3	1.3
Stdev		0.0	0.6	0.3	0.0	0.0	1.9	1.7	1.9	2.2	3.3	0.4	1.6	0.6	0.4	0.0	0.0	0.7	0.0	0.0	0.9	0.0	0.3	0.4	0.7	0.9
Max		10.0	10.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	0.0	8.0	8.0	2.0	3.0	4.0
Min		10.0	8.0	7.0	8.0	7.0	2.0	3.0	2.0	1.0	1.0	7.0	3.0	6.0	-1.0	8.0	8.0	-2.0	8.0	8.0	-3.0	8.0	7.0	1.0	1.0	1.0

