

T12 Update

- **Task Force Voted the T12 Ready for Inclusion in PC 10**
- **Voted PC 10E the T12 Reference**

Mack T-12 Merit Rating

October 26, 2005

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Version 3 Merit Parameters

Criterion	EOT Delta Pb	250-300 Hour Delta PB	Cylinder Liner Wear	Top Ring Weight Loss	Oil Consumption
Weight	200	200	250	200	150
Maximum	36	16	24	87	77
Anchor	20	7	20	50	60
Minimum	4	-2	16	13	43

Version 5 Merit Parameters

Criterion	EOT Delta Pb	250-300 Hour Delta PB	Cylinder Liner Wear	Top Ring Weight Loss	Oil Consumption
Weight	200	200	250	200	150
Maximum	33	13	23	100	77
Anchor	25	10	20	65	65
Minimum	10	0	12	30	45

Version 5 Merit Parameters with ABWLU Equivalents

Criterion	ABWLU	250-300 Hour Delta PB	Cylinder Liner Wear	Top Ring Weight Loss	Oil Consumption
Weight	200	200	250	200	150
Maximum	270	13	23	100	77
Anchor	216	10	20	65	65
Minimum	114	0	12	30	45

Version 3 Merit Calculations

55217	820-2	12	6	22	42	64	1022	1022
55216	820-2	24	14	22	44	63	672	672
55722	820-2	20	7	15	45	60	1275	1275
55723	820-2	16	5	12	101	66	1022	Fai
55205	820-2	16	5	22	56	77	785	Fai
55213	820-2	25	11	18	30	76	959	959
55715	820-2	20	8	18	56	67	1019	1019
56153	820-2	24	8	16	45	71	1084	1084
55712	PC10B	24	8	15	46	60	1194	1194
55935	PC10B	22	9	15	96	53	993	Fai
55728	PC10B	34	12	15	44	62	980	980
56010	PC10B	30	8	8	31	61	1193	1193
56562	PC10B	40	17	11	41	65	783	Fai
55713	PC10E	43	23	17	35	57	682	Fai
55937	PC10E	27	10	21	65	55	749	749
56726	PC10E	23	9	14	67	57	1099	1099
55725	PC10E	23	8	11	106	62	868	Fai
55940	PC10E	26	7	15	87	59	987	987
55718	PC10E	18	7	13	36	63	1326	1326

Version 5 Merit Calculations

55217	820-2	12	6	22	42	64	1248	1248
55216	820-2	24	14	22	44	63	709	Fai
55722	820-2	20	7	15	45	60	1435	1435
55723	820-2	16	5	12	101	66	1257	Fai
55205	820-2	16	5	22	56	77	952	Fai
55213	820-2	25	11	18	30	76	1069	1069
55715	820-2	20	8	18	56	67	1201	1201
56153	820-2	24	8	16	45	71	1206	1206
55712	PC10B	24	8	15	46	60	1350	1350
55935	PC10B	22	9	15	96	53	1133	1133
55728	PC10B	34	12	15	44	62	937	Fai
56010	PC10B	30	8	8	31	61	1386	1386
56562	PC10B	40	17	11	41	65	546	Fai
55713	PC10E	43	23	17	35	57	25	Fai
55937	PC10E	27	10	21	65	55	943	943
56726	PC10E	23	9	14	67	57	1288	1288
55725	PC10E	23	8	11	106	62	1103	Fai
55940	PC10E	26	7	15	87	59	1109	1109
55718	PC10E	18	7	13	36	63	1552	1552

Version 5 Merit Calculations with ABWLU Equivalents

55217	820-2	136	6	22	42	64	1231	1231
55216	820-2	253	14	22	44	63	559	Fai
55722	820-2	173	7	15	45	60	1452	1452
55723	820-2	194	5	12	101	66	1175	Fai
55205	820-2	153	5	22	56	77	956	Fai
55213	820-2	241	11	18	30	76	976	976
55715	820-2	222	8	18	56	67	1112	1112
56153	820-2	202	8	16	45	71	1219	1219
55712	PC10B	211	8	15	46	60	1346	1346
55935	PC10B	200	9	15	96	53	1124	1124
55728	PC10B	265	12	15	44	62	981	981
56010	PC10B	250	8	8	31	61	1385	1385
56562	PC10B	244	17	11	41	65	817	Fai
55713	PC10E	242	23	17	35	57	380	Fai
55937	PC10E	188	10	21	65	55	1048	1048
56726	PC10E	219	9	14	67	57	1250	1250
55725	PC10E	199	8	11	106	62	1111	Fai
55940	PC10E	272	7	15	87	59	925	Fai
55718	PC10E	169	7	13	36	63	1552	1552

T12 PC10 Merit Limits

Criterion	EOT Delta Pb	250-300 Hour Delta PB	Cylinder Liner Wear	Top Ring Weight Loss	Oil Consumption
Weight	200	200	250	200	150
Maximum	33	13	23	100	77
Anchor	25	10	20	65	65
Minimum	10	0	12	30	45

1000 Merit Min.

Considering

TIR Peak EOT 30 max
 00-300 hr.Delta 10 max.

- **Move Proposed Limits to Exit Ballot**