![PODIUM ADVANCED TECHNOLOGIES]

Engine Front Face - Stud Loads			
Face centroid	2000	0	247

Project	P074 - LMH	Addressee	PIPO Moteurs	Revision	1

#	Case	ax	ay	az	Speed	Face centroid loads						Bolt Axial Loads (Fx)								Bolt Y Shear Loads (Fy)								Bolt Z Shear Loads (Fz)							
						Fx	Fy	Fz	Mx	My	Mz	L1	L2	L3	L4	R1	R2	R3	R4	L1	L2	L3	L4	R1	R2	R3	R4	L1	L2	L3	L4	R1	R2	R3	R4
1	Brake	3.6	0	1	320	2741	0	6813	0	7097	0	-6687	-3147	0	8160	-6687	-3147	0	8160	0	0	0	0	0	0	0	0	852	852	852	852	852	852	852	852
2	Bump	0	0	5	320	0	0	9012	0	26734	0	-26908	-13576	0	29015	-26908	-13576	0	29015	0	0	0	0	0	0	0	0	1127	1127	1127	1127	1127	1127	1127	1127
3	Brake + Bump	2.8	0	4	250	2132	0	10298	0	19463	0	-19235	-9528	0	21479	-19235	-9528	0	21479	0	0	0	0	0	0	0	0	1287	1287	1287	1287	1287	1287	1287	1287
4	Lateral	0	3	1	320	0	4810	2599	-2159	8584	13612	-1139	6151	0	15183	-16141	-14870	0	3450	-33	-315	-843	-1213	-1169	-888	-359	11	1026	1307	947	873	1026	1307	947	873
5	Lateral + Bump	0	2.5	4	200	0	4008	6802	-1799	19730	11344	-13608	-1261	0	26303	-26110	-18778	0	16525	-28	-262	-703	-1011	-974	-740	-299	9	1435	1669	1368	1307	1435	1669	1368	1307
6	Lateral + Brake	2.6	2.5	1	320	1979	4008	5643	-1799	7510	11344	-978	5275	0	13370	-13480	-12243	0	3592	-28	-262	-703	-1011	-974	-740	-299	9	1290	1524	1223	1162	1290	1524	1223	1162
7	Reverse Brake + Bump	-2.5	0	5	0	-1903	0	5090	0	23720	0	-24192	-12362	0	25426	-24192	-12362	0	25426	0	0	0	0	0	0	0	0	636	636	636	636	636	636	636	636
8	Acceleration	-1.6	0	1	150	-11380	0	-51	0	9207	0	-11164	-6572	0	8096	-11164	-6572	0	8096	0	0	0	0	0	0	0	0	-6	-6	-6	-6	-6	-6	-6	-6
9	Acceleration + Bump	-2	0	5	150	-14225	0	5894	0	28302	0	-30857	-16743	0	28346	-30857	-16743	0	28346	0	0	0	0	0	0	0	0	737	737	737	737	737	737	737	737
10	Single wheel bump RL (manual)	0	0	5	320	0	0	22923	18338	26132	0	-26303	-13270	0	28362	-26303	-13270	0	28362	-4823	-2433	2056	5201	4823	2433	-2056	-5201	-3091	-5481	-2415	-1793	-3091	-5481	-2415	-1793