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Vehicle

| | |
|----------------------------|-----------------------|
| Vehicle Name | <div>MyVehicle</div> |
| Vehicle Weight | <div>4200</div> |
| Weight Dist (% on rear) | <div>50</div> |
| Rear Rolling Res. + MPH / | <div>0.0111500</div> |
| Front Rolling Res. + MPH / | <div>0.01216300</div> |
| Drivetrain Eff (w/o t.c.) | <div>0.85</div> |
| CG height (in) | <div>14.3</div> |
| Wheelbase (in) | <div>86.2</div> |
| Front Track (in) | <div>58.6</div> |
| Rear Track (in) | <div>59</div> |
| MOIs (kg*m²) | |
| Engine | <div>0.15</div> |
| Flywheel | <div>0.14</div> |
| Clutch Discs | <div>0.0092</div> |
| Pressure Plate | <div>0.14</div> |
| Front whls/tires | <div>1.3</div> |
| Rear whls/tires | <div>1.3</div> |
| Front Brakes | <div>0</div> |
| Rear Brakes | <div>0</div> |
| Prop (trans out speed) | <div>0.0048</div> |
| Axle Shafts | <div>0.0051</div> |

Aero

| | |
|------------------------|---------------------|
| Air Density (slug/ft³) | <div>0.002329</div> |
| Frontal Area (ft²) | <div>19.4</div> |
| Coef Drag | <div>0.26</div> |
| Coef Front Lift | <div>-0.077</div> |
| Coef Rear Lift | <div>-0.082</div> |

Driveline

| | |
|-----------------------|------------------|
| Driven Wheels | <div>AWD</div> |
| Transmission Type | <div>ATX</div> |
| Final Drive Ratio | <div>3.7</div> |
| T.C. Efficiency | <div>0.85</div> |
| Initial T.C. Ratio | <div>2.2</div> |
| Seconds Until ratio=1 | <div>1.3</div> |
| 1st Gear lb-ft Limit | <div>500</div> |
| 2nd Gear lb-ft Limit | <div>500</div> |
| Power Scaling Factor | <div>1.008</div> |
| Launch RPM | <div>2500</div> |

Transmission

| Gear | Ratio | Shift RPM | Shift Time | Spd. Ratio at top | Spd. Ratio at bot |
|------|-------|-----------|------------|-------------------|-------------------|
| 1 | 4.7 | 6500 | 0.3 | 0.88 | 0.85 |
| 2 | 3.13 | 6500 | 0.3 | 0.92 | 0.9 |
| 3 | 2.1 | 6500 | 0.3 | 0.95 | 0.93 |
| 4 | 1.67 | 6500 | 0.3 | 0.97 | 0.95 |

Engine

| | |
|----------------|----------------------------|
| Engine Name | <div>6.4L</div> |
| Engine RPM | <div>012003541600391</div> |
| Torque (lb-ft) | |

Tire

| | |
|-----------------------------|-------------------|
| Tire Name | <div>MyTire</div> |
| Scaling Factor (tire) | <div>0.86</div> |
| Scaling Factor (suspension) | <div>1</div> |
| Front Circumference (in) | <div>85.2</div> |
| Rear Circumference (in) | <div>85.2</div> |

Front Tire

| Normal | Accel | Decel | Lateral |
|-----------|----------|----------|----------|
| | 0.7 | 0.93 | 0.77 |
| 400030000 | 30003000 | 17101710 | 43004300 |

Rear Tire

| Normal | Accel | Decel | Lateral |
|-----------|----------|----------|----------|
| | 0.7 | 0.93 | 0.77 |
| 400030000 | 30003000 | 17101710 | 43004300 |

Track

| | |
|-------------------------|--|
| Track Name | <div>Gingerman</div> |
| Corner Radius (m) | <div>-49.2190028151.3500905253.4142680855.37193865</div> |
| Distance (m) | <div>01.0956944442.1877777783.276805556</div> |
| Iterations of smoothing | <div>0</div> |

Comparison

| | |
|-----------------|---|
| Comparison Name | <div>Jeff Reece Nurburgring :</div> |
| Time (s) | <div>0.550.620.670.74</div> |
| Distance (m) | <div>9.44880001410.6680000211.5824000212.80160002</div> |
| Values | <div>39.339.639.739.8</div> |

☐ Track☐ Vehicle☐ Tire☐ Engine☐ Comp.

Drop Stuff Here

Save Selected

Lap time: 01:39.23

