HYTECH PACEJKA FIT FIGURES

PURE SIDE SLIP (SA) LATERAL FORCE:

* Fit utilizing Hoosier 16x7.5-10 LC0.
* Pressure: 8 PSI

A graph of a graph

Description automatically generated with medium confidence

PURE SIDE SLIP ALIGNING TORQUE:

* Fit utilizing Hoosier 16x7.5-10 LC0.
* Pressure: 8 PSI

A graph of a graph showing a curve

Description automatically generated with medium confidence

PURE LONGITUDINAL SLIP (SL) LONGITUDINAL FORCE:

* Fit utilizing Hoosier 18x7.5-10 R25B.
  + No data available for LC0.
* Pressure: 8 PSI

A graph of a graph

Description automatically generated

COMBINED SLIP LONGITUDINAL FORCE:

* Fit utilizing Hoosier 18x7.5-10 R25B.
  + No data available for LC0.
* Pressure: 8 PSI

A graph of red lines

Description automatically generated

A graph with red lines

Description automatically generatedA graph of lines and curves

Description automatically generated with medium confidence

COMBINED SLIP LATERAL FORCE:

* Fit utilizing Hoosier 18x7.5-10 R25B and Hoosier 16x7.5-10 LC0
  + Combined slip data for R25B was scaled to LC0 based on pure side slip difference.
  + Positive SA was artificially generated by mirroring and applying a scaling factor.
    - Scaling factor is determined by taking LC0 negative SA data, mirroring it, then finding the difference between this mirrored data and the actual experimental LC0 positive SA data.
  + Pure side slip LC0 marked in figure.
* Pressure: 8 PSI

A graph of a graph

Description automatically generated with medium confidence

COMBINED SLIP ALIGNING TORQUE:

* Fit utilizing Hoosier 18x7.5-10 R25B and Hoosier 16x7.5-10 LC0
  + Same method as above.
* Pressure: 8 PSI

A graph of a graph

Description automatically generated

COMBINED SLIP OVERTURNING MOMENT:

* Fit utilizing Hoosier 16x7.5-10 LC0 pure side slip MX data.
* Pressure: 8 PSI
* MX did not directly depend on SL; however, it was dependent on FY, which was dependent on SL, hence the combined slip naming.
* Graph shown at 0 SL.

A graph of a graph

Description automatically generated with medium confidence