

Suspension Analyzer v2.4 B Susp: GT408 v5 Rear Suspension		Your name / company name can go here. See Preferences. Performance Trends (C) 2016				This Report Printed: 5:00 am 09-24-19 Page: 1	
		Dynamics: No		Dive: 0	Roll: 0	Steer: 0	Pitch: 0
Location	Type	Lt Out (X)	Lt Ht(Y)	Lt Dpth(Z)	Rt Out (X)	Rt Ht(Y)	Rt Dpth(Z)
Upper Link Frame Mount, in	Input				5	17.75	16
Upper Link Axle Mount, in	Input				5	19.5	0
Lower Link Frame Mount, in	Input	18.75	8.25	21	18.75	8.25	21
Lower Link Axle Mount, in	Input	18.75	8	0	18.75	8	0
Pan Hard Bar (Frame = Rt Side), in	Input	18.75	8	-6	18.75	8	-6
Spring Mount on Frame	Input	16.5	23	-2.75	16.5	23	-2.75
Spring Mount on Axle Housing, in	Input	18.75	10	-4	18.75	10	-4
Spec./Calculation	Type	Lt Static	Lt Dyn.	Lt Change	Rt Static	Rt Dyn.	Rt Change
Spring Length, in	Output	13.25			13.25		
Spring Angle from Front	Output	9.82			9.82		
Spring Angle from Side	Output	-5.49			-5.49		
Spring Rate/WhRt/WhRtRoll	Input (clc)	225	238.4	110.9	225	236.1	109.7
Mtn.Ratio Sprng/Shck/RBar	Output	1.029			1.024		
Ride Height, in	Input	5			5		
Track, in	Input	27.50			27.50		
Tire Circumference, in	Input (clc)	80.7			80.7		
Tread Width, in	Input (clc)	12.5			12.5		
Camber wo/w Stagger, deg	Input	.00			.00		
Toe In, deg	Input	.00			.00		
Toe In, in	Output	.00			.00		
Instant Center Height, in	Output	9.13			9.13		
Instant Center Forward, in	Output	94.82			94.82		
Roll Center Height, in	Output	-422.7					
Roll Center Right	Output	.00					
Roll Stiffness, ft-lbs/deg	Output	242.6					
Anti Squat, %	Output	43.3			43.3		
Upper Link Length/Angle	Output				16.10	-6.2	
Lower Link Length/Angle	Output	21.00	.7		21.00	.7	
Panhard Bar Length/Angle	Output	37.50	.0				
Binding Error, in	Output	.00					
Side View Swing Arm Length, in	Output	94.9			94.9		
Total Roll Stiffness, ft-lbs/deg	Output	965.3					
Front Roll Couple/FLLD, %	Output	74.87					
Rear Roll Couple/RLLD, %	Output	25.13					
Roll Axis to CG Moment Arm, in	Output	200.33					
Level Ground Roll Rate, deg/G	Output	503.94					
Front Natural Freq, cps	Output	1.69			1.69		
Rear Natural Freq, cps	Output	1.31			1.31		
Pinion Angle, deg	Input	1.00					
Pinion U Joint Angle, deg	Input	.00					
Trans U Joint Angle, deg	Input	.00					
Driveshaft Length, in	Input	.00					

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Vehicle Specs:		
General Specs		Identification
Height of C.G., inches	24	Chassis #
% Front Braking	65	Customer
Wheelbase, inches	108	
Suspension to Analyze:	Front and Rear	
Vehicle Weights		
Left Front	1015.	
Right Front	1015.	
Left Rear	735.	
Right Rear	735.	
Vehicle Specs, Front Suspension		
General Specs		Data Logger Sensors
SuspType:	Double A Arm (wishbone)	Susp. Travel Sensor: None
		Steering Sensor: None
Steering:	Steering Box; rods attach to centerlink	Ride Height Measurements
Springs:	Coil Over (outboard)	Lt Side, From Centerline
Roll Bar:	Yes	Lt Side, Behind Wheel Center
Roll Bar Rate, lb/in	70	Rt Side, From Centerline
Symetric Chassis (Lt same as Rt):	No	Rt Side, Behind Wheel Center
Vehicle Specs, Rear Suspension		
General Specs		Data Logger Sensors
SuspType:	3 Link, top link Right side Live Axle	Susp. Travel Sensor: None
Lateral Link:	Panhard Bar, frame attach Right side	
Springs Attach To:	Axle Housing	Ride Height Measurements
		Lt Side, From Centerline
Springs:	Coil Over (outboard)	Lt Side, Ahead of Wheel Center
Roll Bar:	None	Rt Side, From Centerline
Roll Bar Rate, lb/in		Rt Side, Ahead of Wheel Center
Symetric Chassis (Lt same as Rt):	Yes	