Mayako MX8-22

Setup: Dirt Burners Pro-Tek Challenge 2023 · Alexander Richards (Me, myself, and I) · Aug 22, 2023

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EVENT	
Event	Protek Midwest Challenge 2023

TRACK	
Track	Dirt Burners 23
Type	Outdoor hard-packed
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth / Medium/Open
Air temp	95°F (35°C)
Track temp	140°F (60°C)

RESULTS	
Race type	Main
Finish	9th
Best lap	22.9 s

FRONT SUSPENSION

A mount inserts	0 mm
A plate	0 mm
ACKERMANN	
Inner steering stud location	1 - Front
Steering arm	1 - Long
Anti-roll bar	2.4mm
Arm stiffeners	Plastic
Axle height: knuckle position	Down
B mount inserts	0 mm
B plate	0 mm
BUMP STEER	
Inner steering stud location	Bottom
Inner steering stud shims	0 mm
Outer steering stud location	Top
Outer steering stud shims	0 mm
C-hubs	KPI-1 / Caster 1
Camber	-2 degrees
Camber link type	Links
CAMBER LINK	
Inner link location	2 - Middle
Outer link location	2 - Middle
Camber: camber turnbuckle length	25 mm
Differential height	0 mm
Downtravel with tires	62 mm
Droop	0 (26mm on 32mm blocks) mm
Ride height	26 mm
Servo saver	No
SHOCKS	
Arm mounting hole	1 - Inside
Tower mounting hole	2
Toe	-1 degrees
Toe: steering turnbuckle length	40 mm
Tower	Aluminum
Tower mount	0 mm
Track: wheel hexes	5 mm
Wheelbase: arm position	Middle

REAR SUSPENSION

Anti-roll bar	2.5mm
Arm stiffeners	Plastic
C mount inserts	0 mm
C plate	+1 mm
Camber	-2 degrees
Camber link type	Links
CAMBER LINK	
Inner link location	2 - Middle
Outer link location	Opt hub: 4 - Outside top
Camber: camber turnbuckle length	34.8 mm
D mount inserts	-0.5 mm
D plate	+1 mm
Differential height	+1 mm
Downtravel with tires	62 mm
Droop	-5 (21mm on 32mm blocks) mm
Hub height	+1 mm
Hubs	Optional #2
Ride height	25 mm
SHOCKS	
Arm mounting hole	1 - Inside
Tower mounting hole	2
Toe	2.5 degrees
Toe: C/D blocks	1.5 degrees
Tower	Insert link tower (MY23)
Track: wheel hexes	5 mm
Wheelbase: hub spacers - front	2 mm

NOTES +1mm outboard toe w\ 3pc hub. (Long arm insert for dogbone plunge)

+1mm link height spacer \ 0mm length spacer

BODY & CHASSIS

Body	MX8 Lightweight
Engine mount	Rearward / short
Rear wing	Kit
Rear wing gurney	Small
Rear wing position	3
Throttle servo mount	Long
Upper brace - front	None
Upper brace - rear	None

NOTES x12 15\64 holes

SHOCKS

	FRONT	REAR
Eyelets	Short	Short
Oil weight	650 cst	600 cst
Pistons	6x1.3mm	6x1.4mm
Rebound	0 %	0 %
Shock length	104 mm	119 mm
Shock type	Bladder	Bladder
Springs	65mm 8.75T Brown	80mm 10.5T Brown
Stroke	32.5 mm	42.5 mm

Shock oil brand	Jtp\nitropro

NOTES X-ray soft clear honeycomb bladders.
Long front shafts

DIFFERENTIALS

	FRONT	REAR
Diff fluid	20,000 cst	10,000 cst
Diff mass	2.7 g	2.7 g

Center diff fluid	15,000 cst
Center diff mass	6 g
Diff fluid brand	Jtp

DRIVETRAIN

Brake bias - F/R	50/50
Clutch shoes & springs	3 aluminum shoes, 1.0mm springs
Drive ratio - final	12.114
Drive ratio - internal	3.214 (14\45)
Driveshafts - front	CVD
Driveshafts - rear	91mm Universal
Pinion	13 teeth
Spur	49 teeth

ENGINE

Engine brand	Novarossi
Engine model	Mephisto 4 port
Fuel	Bones 30\8
Glow plug	Nova
Pipe / header	Hipex 2135 w\ L50

TIRES

	FRONT	REAR
Tire brand / type	Proline Fugitive	Proline Fugitive
Tire compound	X3	X3
Tire insert	Blue PL	Blue PL
Tire prep	-	-