



2024 604 LATE MODEL RULES

1. All Cars are subject to inspection by Sugar Creek Raceway at any time during the event
2. Sugar Creek Raceway reserves the right to confiscate any suspicious, or deemed illegal components
3. Sugar Creek Raceway reserves the right to alter or amend these rules at any time in the interest of fair competition.
4. Chevrolet Performance Crate Engine Part #88958604/19318604
5. Weight #2300. ***NO FUEL BURN OFF***
6. 604 Engines are sealed at the Intake Manifold, Cylinder Head, Front Cover, and Oil Pan with GM CHEVROLET PERFORMANCE CAPS.
7. ***THE ONLY SEALS ALLOWED FOR COMPETITION ARE***: A. CHEVROLET PERFORMANCE CAP SEALS B. CRATE USA CABLE SEALS, RUSH CABLE SEALS, IMCE CABLE SEALS, FAST TRACK SEALS, AMERICAN ALL STAR CRATE SERIES SEALS ***NO TWIST OFF BOLTS WILL BE LEGAL IN 2021*** ***NO UCRA OVER BORE SEALS ARE LEAGAL***
8. All Crate Engines must remain Stock as they came sealed from the factory. They must not be Altered, Modified or changed from Factory Specs. All engines will be checked by the latest Gm Tech Manual.
9. No changes are allowed to the engine - including but not limited to Intake Manifold, Heads, Valve Covers, Front Cover, Oil Pan, Harmonic Balancer, or any other part or parts on or in the Engine.
10. Engine's GM Serial Number, and when applicable, Crate USA build certification number must be clearly visible.
11. Anyone found in violation of Engine Rules and/or Factory Specs inside the sealing system of the engine will result in the Driver being banned from competition at Sugar Creek Raceway for 30 DAYS from the date of infraction and pay \$500.00 dollars fine before being able to return to competition.
12. Anyone found in violation of Engine Rules and/or Factory Specs outside the sealing bolts of the engine will result in the Driver being Disqualified for that Event and will pay a 500.00 dollar fine before being allowed to compete at the next Event
13. No Vacuum Pumps
14. Any 4 Barrel Carb, must be Needle, Seat and Accelerator Pump Style.
15. Engine must be Naturally Aspirated
16. May use one 1 inch, One Piece, Carb Spacer (.040 Tolerance Maximum) with Two Standard Gaskets (Maximum 0.070 Inch Thick) One Gasket Between Intake to Spacer and One Gasket Between Spacer to Carb. At No Point May Spacer Extend into Intake Manifold Area
17. Any Electronic Distributor Type Ignition System. NO CRANK TRIGGER, DISTRIBUTORLESS MULTI-COIL, OR MAGNETO IGNITION SYSTEM. A. Ignition Box / Buy Rule: You are able to

protest/buy the ignition box from the WINNER of the FEATURE only. The cost for this is a nonrefundable \$550. Must be paid in CASH after the FEATURE ONLY within 5 min of cars crossing the scales. If the winner decides not to sell their ignition box then they are deemed illegal and will be disqualified no points or prize money

18. No Electronic Traction Control Devices

19. All Cars must have a working Starter

20. Cast or Aluminum Water Pump. Stock Mounted Water Pump and Fans Only. No Electric Fans. No Electric Water Pump.

21. Collector Type Headers Required. Must have four (4) tubes into on (1) Collector of a consistent diameter. NO TRI Y HEADERS. NO 180 DEGREE HEADERS NO MERGED HEADERS. NO SQUARE TUBE HEADERS

22. An Approved Fuel Cell (32 Gallon Max) Must be securely mounted in the Trunk area of the car, inside a .20-gauge metal box supported by a minimum of Two 2" By 1/8" Steel Straps. All Fuel Cells must be completely Visible from rear of car

23. Racing Gas or E85 Allowed. Fuels must have a specific gravity of LESS than (Gas .745 / E85 .786) Anything over will be Disqualified. NO NITROUS OXIDE. NO PROPYLENE OXIDE. NO NITROETHANE. NO MTBE. Fuel may be collected during post-race tech or sent to the labs for testing. Any suspicious fuel will then be sampled, and lab tested. Additives that will be tested for but not limited to are nitromethane, propylene oxide, alcohol (all types), aldehydes, aminobiphenyl, benzene, borane, benzidine, beryllium compounds, bromine compounds, butadienes, chlorinated compounds, chromates, dioxane, MTBE, ethyl acrylate, ethylene oxide, hydrazine compounds, dioxane, methylene diamine, naphthylamine, nitrogen compounds, styrene, toluidine, and xylidine. Any of these compounds that are not included in fuel claimed or in correct amounts matching benchmarks will be deemed illegal. Sugar Creek Raceway HAS THE RIGHT TO IMPOUND AND CHECK ANY COMPETITOR AT ALL TIMES. ANY DRIVER NOT WILLING TO SAMPLE THEIR FUEL WILL BE DISQUALIFIED.

***Fuel protests cost \$200 and will be sent to the lab. IF THE FUEL IS FOUND TO BE ILLEGAL THE DRIVER MUST PAY A \$500 FINE TO THE TRACK BEFORE BEING ALLOWED TO RACE AGAIN. (PRIZE MONEY WILL BE HELD DURING ALL PROTEST) ANYONE FOUND ILLEGAL WILL BE DISQUALIFIED FROM THE EVENT AND RECEIVE NO PRIZE MONEY OR POINTS NO NITROUS OXIDE. NO PROPYLENE OXIDE. NO NITROETHANE. NO MTBE.

24. Fuel Pump must be Mechanical, Cam Driven, or Belt Driven. NO ELECTRIC Fuel Pumps

23. Power steering pump may be mounted on the front of motor or on reverse mount.

25. Engine Setback will be 6" from Center of Top Ball Joint to the #1 Spark Plug with a 1 " Tolerance

26. Lucas Oil Body Rules

27. 8 " Spoiler and Sides Only

28. All Frames must be of steel construction

29. Square or Rectangular Frame must be a minimum of 2" BY 2" Material .083 Wall Thickness.

30. Round Tube Frame must have a minimum of 1 3/4 " Outside Diameter, .083 Wall Thickness.

31. Standard Late Model Suspensions Only. NO SPRING LOADED OR SHOCK TYPE 4 BAR RODS. ONLY STANDARD SOLID BAR 4 BAR RODS. NO TORSION BAR FRONT OR REAR SUSPENSION. Sway Bar Ok.

32. Standard one piece Bird Cages. NO SPLIT BIRD CAGES.

33 Standard late Model Suspensions equals (1) Shock per Wheel, except on Left Rear. Left Rear is Allowed (2) Shocks One in Front of Rear end and One behind. Shocks must be mounted Vertical to Axle Tube.

34. Chassis Brackets Must Be Fixed. No Movement.

35. Shocks, At Any Position on The Race Car, Including Lift Bar or Torque Arm Shocks Must Be Constructed of Magnetic Steel or Aluminum. No Thru Rod Style Shocks Allowed. No Remote Adjusting Type Shocks. No Inverter or J-Damper of any type Allowed.

36. Minimum Wheelbase 103 "

37. All cars must have a suitable steel roll cage protecting the driver's compartment, including headrest.

38. Any Transmission (must have one forward and one reverse gear in working order) NO STRAIGHT DRIVES OR IN AND OUT BOXES

39. Driveshafts must be painted white. Carbon Fiber are Allowed.

40. Steel Brake Rotors Only NO CARBON FIBER. NO TITANIUM OR OTHER EXOTIC MATERIAL BRAKE SYSTEMS.

41. Any brand or type of wheel allowed. Must be mounted with lug nuts. Maximum Wheel width 14". NO KNOCK OFF OR CENTER LOCK WHEELS / TIRES

TIRES

Only Hoosier or American Racer tires allowed

Hoosier 21/55 NLMT 2, 3, and 4

American Racer 44,48,56 and Pro 2, 3, and 4

All tires are subject to be checked with a durometer. Anyone in violation of tire rules will be Disqualified from the event and will have to pay a \$500 fine before being allowed to race at NGS again. All classes will adhere to Tire Testing policy as stated in NGS General Rules.

ENGINE PROTEST: 1.THE PROTEST FEE FOR A COMPLETE TEAR DOWN OF AN ENGINE THAT FINISHES THE A-MAIN IS \$1300. THE FEE MUST BE PAID TO THE RACE DIRECTOR OR TECHNICAL DIRECTOR, IN CASH, WITHIN 10 MINUTES AFTER THE CHECKERED FLAG HAS FALLEN ON THE A-MAIN. MUST FINISH IN THE TOP5 TO BE ELIGIBLE TO PROTEST. \$1000 WILL GO TO WINNER OF PROTEST AND \$300 TO THE ENGINE BUILDER THAT DISASSEMBLES THE ENGINE (ENGINE TECH TO BE DONE BY RACTEC).

*When an engine is being protested and being sent to Racetec, only a representative from Sugar Creek Raceway is to be present for the tear down procedures. The owner and protestor will both be notified with the outcome of the inspection when finished. A. \$500 TOP END ENGINE TECH (VALVE SPRINGS, P&G, CAM TECH) \$250 GOES TO TRACK TECH REMAINDER TO WINNER OF PROTEST B. \$200 TO P&G ANY ENGINE ALL PROTEST MONEY IS NON-REFUNDABLE

TIRE PROTEST: TIRE PROTEST IS A \$200 NON-REFUNDABLE FEE. IF THE TIRE IS FOUND TO BE ILLEGAL THE DRIVER MUST PAY A \$500 FINE TO THE TRACK BEFORE BEING ALLOWED TO RACE AGAIN. (PRIZE MONEY WILL BE HELD DURING ALL PROTEST) ANYONE FOUND ILLEGAL WILL BE DISQUALIFIED FROM THE EVENT AND RECEIVE NO PRIZE MONEY OR POINTS

FOR ANY PROTEST, THE CAR BEING PROTESTED AND DRIVER PROTESTING MUST FINISH IN THE TOP 5. ALL PROTEST MONEY FOR TIRES OR ENGINES PROTEST IS NON REFUNDABLE. *The protested driver has the right to counter protest the driver protesting them.

Protesting must finish in top 5 & can only protest the car finishing directly in front of their placement , within 10 min after checkered flag