MECHANICAL, KNOWLEDGE & DIAGNOSTICS, CRITIQUE SHEET 1 - R19

See Reference Sheet for full description of Criteria SAN ANTONIO JAM TRACTOR SHOW

Entry ID Class # _		
TRACTOR	YEAR MODEL	
Recorder	Tractor Ribbon Color	
Evaluation: E = Excellent. G = Good. NI	= Needs Improvement, NA = Not Applicable CF	

Mechanical Points: Restoration = 40, Recondition = 30 (CF Bonus Points may be awarded)

- 1. Observations Driving (worksheet)
- 2. Fluid Level (worksheet)
- 3. Inspecting Documentation, Reports and Pictures see below
 - Evidence of using precision tools Micrometers, dial gauges, torque wrenches, small hole and telescoping gauges. Evidence that all threads were chased and proper torques applied. Any evidence of sand from sandblasting will result in points being deducted.
 - Mechanical work done by others must be identified as PE in Expense Report

Knowledge & Presentation – 20 Points

- 1. Responses to questions
- 2. Observations of Exhibitors for Showmanship including Enthusiasm, Articulate, Confident, Dress and Eye contact.

Diagnostics - Reconditioning = 15 Points

- 1. Observations and Questioning
- 2. Documentation including Dealer Equipment Check-In and Preliminary Service Forms

Mechanical	Eval	Comments
Driving Skills & Function of Components including:		
Fluid Level Taken from Fluid Levels Worksheet		

Mechanical	Knowledge

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Mechanical & Knowledge - Evaluated using Documentation and Answers to Questions Details identified in Reference Documents on WEB Site				
Engine Components	Mechanical Eval from Docs	Comments From Documentation & Questioning	Knowledge Eval by Questions	
Crank. Pistons, Rods & Cylinders				
Cooling System				
Head & Valve Train				
Lubrication				
Fuel System				
Other Engine Components				
Electrical				
Transmission				
Clutch				
Final Drive				
PTO/ Lift – Hydraulics				
Steering				
Brakes				
Presentation & Display				

Diagnostics 15 Points	Eval	Comments Using Documentation and Questioning Reconditioning Only
Use of Precision Tools Including: PTO Dynamometer, Refrigeration, Hydraulic and Electrical tests equipment Multimeters etc.		
Cooperation with Tractor Dealers – working with Technical Bulletins and Computers & Use of error codes		
Working with Professionals Example testing diesel pump on pump stand etc.		