## Iowa FFA Agricultural Mechanics Career Development Event 2006

•	2000
State of Iowa	CONTESTANT NAME HANNA
DEPARTMENT OF EDUCATION	
Career Education Division	CONTESTANT SCHOOL
Grimes State Office Building	CONTESTANT SCHOOL
Des Moines, IA 50319  MACHINERY AND	EQUIPMENT SYSTEMS
	Solving/Skill
Instructions:	
You will have 15 minutes to do this exercise. Using the se	ctions from the owner's manual, and your knowledge of
tractors, answer the following questions.	
	_
I. What are the last five digits of:	2 pts.
a) Tractor Product Identification Number4	t6381
b) Engine Serial Number 88029	
II. Identify by proper name the machine component or de Name	scribe its function as specifically as possible 10 pts.  Name
a) cab air filter	1) intercooler (vadiutor)
b) Secondary fel filter c) primary feel filter d) engine air filter (cover)	B) turbocharger h) engine coolant fill i) remote 3-pt. lift
c) primary feel filter	h) engine coolant fill
d) engine air filter (cover)	i) <u>vemote 3-pt. 1:ft</u>
e) <u>alternatur</u>	j) CAUBUS implement commentor
III. After the break-in period, what are the service interval Assume generic (not company) oil and oil filter and "r	
a) engine oil 250	e) primary air cleaner 1000
b) wheel lug nut torque	f) hydraulic oil 1500 g) engine oil filter 250
c) fuel filter 250	g) engine oil filter 250
IV. This tractor has an IVT transmission. What do the le	tters stand for? Infinitely Variable Transmission 2 pts.
V. What is the average weight of the tractor? 17, 60	23 lb 4 pts.
What is the engine size (displacement)?	<b>7 6</b> cu. in.
What is the maximum pressure and output of the hydr	aulic system? 3046 psi 32 gal/min
Evaluati	on Score Sheet
Items	Points
	Possible Earned
PIN, ESN	
Part Identification/Function	
Service Intervals	
IVT	
Specifications	
Safety	Total 25