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Bank: (Aviation Mechanic Powerplant)

Airman Knowledge Test Question Bank

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1. AMP008 AMP  
A characteristic of dyna focal engine mounts as applied to aircraft reciprocating engines is that the
- A) shock mounts eliminate the torsional flexing of the powerplant.
  - B) engine attaches to the shock mounts at the engine's center of gravity.
  - C) shock mounts point toward the engine's center of gravity.

2. AMP056 AMP  
Engine operating flexibility is the ability of the engine to
- A) deliver maximum horsepower at a specific altitude.
  - B) meet exacting requirements of efficiency and low weight per horsepower ratio.
  - C) run smoothly and give the desired performance at all speeds.

3. AMP056 AMP  
Engine crankshaft runout is usually checked
- 1. during engine overhaul.
  - 2. during annual inspection.
  - 3. after a 'prop strike' or sudden engine stoppage.
  - 4. during 100-hour inspection.
- A) 1, 3, and 4.
  - B) 1 and 3.
  - C) 1, 2 and 3.

4. AMP057 AMP  
An engine misses in both the right and left positions of the magneto switch. The quickest method for locating the trouble is to
- A) check for one or more cold cylinders.
  - B) perform a compression check.
  - C) check each spark plug.

5. AMP056 AMP  
What does valve overlap promote?
- A) Lower intake manifold pressure and temperatures.
  - B) A backflow of gases across the cylinder.
  - C) Better scavenging and cooling characteristics.

6. AMP056 AMP  
Which statement is true regarding bearings used in high powered reciprocating aircraft engines?

- A) The outer race of a single row, self aligning ball bearing will always have a radius equal to the radius of the balls.
- B) There is less rolling friction when ball bearings are used than when roller bearings are employed.
- C) Crankshaft bearings are generally of the ball-type due to their ability to withstand extreme loads without overheating.

7. AMP056 AMP

Which condition would be the least likely to be caused by failed or failing engine bearings?

- A) Excessive oil consumption.
- B) High oil temperatures.
- C) Low oil temperatures.

8. AMP021 AMP

Direct mechanical push pull carburetor heat control linkages should normally be adjusted so that the stop located on the diverter valve will be contacted

- A) before the stop at the control lever is reached in both HOT and COLD positions.
- B) before the stop at the control lever is reached in the HOT position and after the stop at the control lever is reached in the COLD position.
- C) after the stop at the control lever is reached in both HOT and COLD positions.

9. AMP056 AMP

Increased water vapor (higher relative humidity) in the incoming air to a reciprocating engine will normally result in which of the following?

- A) Decreased engine power at a constant RPM and manifold pressure.
- B) Increased power output due to increased volumetric efficiency.
- C) A leaning effect on engines which use non automatic carburetors.

10. AMP056 AMP

To what altitude will a turbo charged engine maintain sea level pressure?

- A) Critical altitude.
- B) Service ceiling.
- C) Pressure altitude.

11. AMP056 AMP

If an engine with a stroke of 6 inches is operated at 2,000 RPM, the piston movement within the cylinder will be

- A) at maximum velocity around TDC.
- B) constant during the entire 360° of crankshaft travel.
- C) at maximum velocity 90° after TDC.

12. AMP056 AMP

Some aircraft engine manufacturers equip their product with choked or taper-ground cylinders in order to

- A) provide a straight cylinder bore at operating temperatures.
- B) flex the rings slightly during operation and reduce the possibility of the rings sticking in the grooves.
- C) increase the compression pressure for starting purposes.

13. AMP019 AMP

How does a dual axial flow compressor improve the efficiency of a turbojet engine?

- A) More turbine wheels can be used.
- B) Higher compression ratios can be obtained.
- C) The velocity of the air entering the combustion chamber is increased.

14. AMP019 AMP

What is the primary factor which controls the pressure ratio of an axial flow compressor?

- A) Number of stages in compressor.
- B) Compressor inlet pressure.
- C) Compressor inlet temperature.

15. AMP019 AMP

What is the primary advantage of an axial flow compressor over a centrifugal compressor?

- A) High frontal area.
- B) Less expensive.
- C) Greater pressure ratio.

16. AMP068 AMP

Where do stress rupture cracks usually appear on turbine blades?

- A) Across the blade root, parallel to the fir tree.
- B) Along the leading edge, parallel to the edge.
- C) Across the leading or trailing edge at a right angle to the edge length.

17. AMP069 AMP

The blending of blades and vanes in a turbine engine

- A) is usually accomplished only at engine overhaul.
- B) should be performed parallel to the length of the blade using smooth contours to minimize stress points.
- C) may sometimes be accomplished with the engine installed, ordinarily using power tools.

18. AMP027 AMP

A cool-off period prior to shutdown of a turbine engine is accomplished in order to

- A) allow the turbine wheel to cool before the case contracts around it.
- B) prevent vapor lock in the fuel control and/or fuel lines.
- C) prevent seizure of the engine bearings.

19. AMP068 AMP

What type of turbine blade is most commonly used in aircraft jet engines?

- A) Reaction.
- B) Impulse.
- C) Impulse-reaction.

20. AMP068 AMP

The Brayton cycle is known as the constant

- A) pressure cycle.
- B) temperature cycle.
- C) mass cycle.

21. AMP042 AMP

What must be done after the fuel control unit has been replaced on an aircraft gas turbine engine?

- A) Perform a full power engine run to check fuel flow.
- B) Recalibrate the fuel nozzles.
- C) Retrim the engine.

22. AMP004 AMP

During inspection, turbine engine components exposed to high temperatures may only be marked with such materials as allowed by the manufacturer. These materials generally include

1. layout dye.
  2. commercial felt tip marker.
  3. wax or grease pencil.
  4. chalk.
  5. graphite lead pencil.
- A) 1, 2, and 4.  
B) 1, 3, and 4.  
C) 2, 4, and 5.

23. AMP068 AMP

Main bearing oil seals used with turbine engines are usually what type(s)?

- A) Labyrinth and/or carbon rubbing.  
B) Teflon and synthetic rubber.  
C) Labyrinth and/or silicone rubber.

24. AMP068 AMP

One function of the nozzle diaphragm in a turbine engine is to

- A) decrease the velocity of exhaust gases.  
B) center the fuel spray in the combustion chamber.  
C) direct the flow of gases to strike the turbine blades at the desired angle.

25. AMP008 AMP

Straightening nitrided crankshafts is

- A) recommended.  
B) not recommended.  
C) approved by the manufacturer.

26. AMP045 AMP

Select the Airworthiness Directive applicability statement which applies to an IVO 355 engine, serial number T8164, with 2,100 hours' total time and 300 hours since rebuilding.

- A) Applies to all IVO 355 engines, serial numbers T8000 through T8300, having less than 2,400 hours' total time.  
B) Applies to all IVO 355 engines, serial numbers T8000 through T8900 with 2,400 hours or more total time.  
C) Applies to all I.O. and TV10-355 engines, all serial numbers regardless of total time or since overhaul.

27. AMP007 AMP

What section in the instructions for continued airworthiness is FAA approved?

- A) Engine maintenance manual or section.  
B) Engine overhaul manual or section.  
C) Airworthiness limitations section.

28. AMP007 AMP

Which of the following contains a minimum checklist for 100-hour inspections of engines?

- A) 14 CFR Part 33 Appendix A.  
B) 14 CFR Part 43 Appendix D.  
C) Engine Specifications or Type Certificate Data Sheets.

29. AMP058 AMP

What maintenance record(s) is/are required following a major repair of an aircraft engine?

- A) Entries in engine maintenance records and a list of discrepancies for the FAA.
- B) Entries in the engine maintenance record and FAA Form 337.
- C) Entry in logbook.

30. AMP072 AMP

Which of the following contains a table that lists the engines to which a given propeller is adaptable?

- A) Aircraft Type Certificate Data Sheets.
- B) Propeller Type Certificate Data Sheets.
- C) Engine Type Certificate Data Sheets.

31. AMP012 AMP

A Bourdon tube instrument may be used to indicate

- 1. pressure.
  - 2. temperature.
  - 3. position.
  - 4. quantity.
- A) 1 and 2.  
B) 1 and 3.  
C) 2 and 4.

32. AMP059 AMP

Which of the following instrument discrepancies require replacement of the instrument?

- 1. Red line missing from glass.
  - 2. Glass cracked.
  - 3. Case paint chipped.
  - 4. Will not zero out.
  - 5. Pointer loose on shaft.
  - 6. Mounting screw loose.
  - 7. Leaking at line B nut.
  - 8. Fogged.
- A) 2, 3, 7, 8.  
B) 2, 4, 5, 8.  
C) 1, 2, 4, 7.

33. AMP068 AMP

What would be the possible cause if a gas turbine engine has high exhaust gas temperature, high fuel flow, and low RPM at all engine power settings?

- A) Fuel control out of adjustment.
- B) Loose or corroded thermocouple probes for the EGT indicator.
- C) Turbine damage or loss of turbine efficiency.

34. AMP029 AMP

In regard to using a turbine engine oil analysis program, which of the following is NOT true?

- A) Generally, an accurate trend forecast may be made after an engine's first oil sample analysis.
- B) It is best to start an oil analysis program on an engine when it is new.
- C) A successful oil analysis program should be run over an engine's total operating life so that normal trends can be established.

35. AMP066 AMP

If the thermocouple leads were inadvertently crossed at installation, what would the cylinder temperature gauge pointer indicate?

- A) Normal temperature for prevailing condition.
- B) Moves off scale on the zero side of the meter.
- C) Moves off scale on the high side of the meter.

36. AMP026 AMP

Motor driven impeller and turbine fuel flow transmitters are designed to transmit data

- A) using aircraft electrical system power.
- B) mechanically.
- C) by fuel pressure.

37. AMP041 AMP

The fuel flowmeter used with a continuous-fuel injection system installed on an aircraft horizontally opposed reciprocating engines measures the fuel pressure drop across the

- A) manifold valve.
- B) fuel nozzles.
- C) metering valve.

38. AMP034 AMP

Why does one type of Fenwal fire detection system use spot detectors wired in parallel between two separate circuits?

- A) To provide an installation that is equal to two separate systems, a primary system and a secondary, or back-up system.
- B) So that a double fault may exist in the system without sounding a false alarm.
- C) So that a single fault may exist in the system without sounding a false alarm.

39. AMP026 AMP

(Refer to Powerplant figure 4.) In a 28-volt system, what is the maximum continuous current that can be carried by a single No. 10 copper wire 25 feet long, routed in free air?

- A) 20 amperes.
- B) 35 amperes.
- C) 28 amperes.

40. AMP006 AMP

(1) Electrical circuit protection devices are rated based on the amount of current that can be carried without overheating the wiring insulation.

(2) A 'trip free' circuit breaker makes it impossible to manually hold the circuit closed when excessive current is flowing.

Regarding the above statements,

- A) only No. 1 is true.
- B) only No. 2 is true.
- C) both No. 1 and No. 2 are true.

41. AMP026 AMP

What is the smallest terminal stud allowed for aircraft electrical power systems?

- A) No. 6.
- B) No. 8.
- C) No. 10.

42. AMP026 AMP  
What type of lubricant may be used to aid in pulling electrical wires or cables through conduits?  
A) Silicone grease.  
B) Soapstone talc.  
C) Rubber lubricant.

43. AMP044 AMP  
The maximum allowable voltage drop between the generator and the bus bar is  
A) 1 percent of the regulated voltage.  
B) 2 percent of the regulated voltage.  
C) less than the voltage drop permitted between the battery and the bus bar.

44. AMP026 AMP  
What is a basic advantage of using ac for electrical power for a large aircraft?  
A) AC systems operate at higher voltage than dc systems and therefore use less current and can use smaller and lighter weight wiring.  
B) AC systems operate at lower voltage than dc systems and therefore use less current and can use smaller and lighter weight wiring.  
C) AC systems operate at higher voltage than dc systems and therefore use more current and can use smaller and lighter weight wiring.

45. AMP001 AMP  
Why is it unnecessary to flash the field of the exciter on a brushless alternator?  
A) The exciter is constantly charged by battery voltage.  
B) Brushless alternators do not have exciters.  
C) Permanent magnets are installed in the main field poles.

46. AMP029 AMP  
High tooth pressures and high rubbing velocities, such as occur with spur type gears, require the use of  
A) an EP lubricant.  
B) straight mineral oil.  
C) metallic ash detergent oil.

47. AMP030 AMP  
As an aid to cold weather starting, the oil dilution system thins the oil with  
A) kerosene.  
B) alcohol.  
C) gasoline.

48. AMP011 AMP  
Oil accumulation in the cylinders of an inverted in line engine and in the lower cylinders of a radial engine is normally reduced or prevented by  
A) reversed oil control rings.  
B) routing the valve operating mechanism lubricating oil to a separate scavenger pump.  
C) extended cylinder skirts.

49. AMP049 AMP  
How is the oil collected by the piston oil ring returned to the crankcase?  
A) Down vertical slots cut in the piston wall between the piston oil ring groove and the piston skirt.

- B) Through holes drilled in the piston oil ring groove.
- C) Through holes drilled in the piston pin recess.

50. AMP040 AMP

What is the primary purpose of the oil to fuel heat exchanger?

- A) Cool the fuel.
- B) Cool the oil.
- C) De aerate the oil.

51. AMP068 AMP

The type of oil pumps most commonly used on turbine engines are classified as

- A) positive displacement.
- B) variable displacement.
- C) constant speed.

52. AMP069 AMP

Possible failure related ferrous metal particles in turbine engine oil cause an (electrical) indicating type magnetic chip detector to indicate their presence by

- A) disturbing the magnetic lines of flux around the detector tip.
- B) bridging the gap between the detector center (positive) electrode and the ground electrode.
- C) generating a small electric current that is caused by the particles being in contact with the dissimilar metal of the detector tip.

53. AMP063 AMP

Sharp bends should be avoided in ignition leads primarily because

- A) weak points may develop in the insulation through which high tension current can leak.
- B) ignition lead wire conductor material is brittle and may break.
- C) ignition lead shielding effectiveness will be reduced.

54. AMP056 AMP

Which of the following would be cause for rejection of a spark plug?

- A) Carbon fouling of the electrode and insulator.
- B) Insulator tip cracked.
- C) Lead fouling of the electrode and insulator.

55. AMP064 AMP

A spark plug's heat range is the result of

- A) the area of the plug exposed to the cooling airstream.
- B) its ability to transfer heat from the firing end of the spark plug to the cylinder head.
- C) the heat intensity of the spark.

56. AMP064 AMP

Which of the following, obtained during magneto check at 1,700 RPM, indicates a short (grounded) circuit between the right magneto primary and the ignition switch?

- A) BOTH-1,700 RPM; R-1,625 RPM; L-1,700 RPM; OFF-1,625 RPM.
- B) BOTH-1,700 RPM; R-0 RPM; L-1,700 RPM; OFF-0 RPM.
- C) BOTH-1,700 RPM; R-0 RPM; L-1,675 RPM; OFF-0 RPM.

57. AMP046 AMP



As an aircraft engine's speed is increased, the voltage induced in the primary coil of the magneto

- A) remains constant.
- B) increases.
- C) varies with the setting of the voltage regulator.

58. AMP047 AMP

What is the radial location of the two north poles of a four pole rotating magnet in a high tension magneto?

- A) 180° apart.
- B) 270° apart.
- C) 90° apart.

59. AMP063 AMP

What is the electrical location of the primary capacitor in a high-tension magneto?

- A) In parallel with the breaker points.
- B) In series with the breaker points.
- C) In series with the primary and secondary winding.

60. AMP037 AMP

The economizer system in a float type carburetor

- A) keeps the fuel/air ratio constant.
- B) functions only at cruise and idle speeds.
- C) increases the fuel/air ratio at high power settings.

61. AMP041 AMP

In turbine engines that utilize a pressurization and dump valve, the dump portion of the valve

- A) cuts off fuel flow to the engine fuel manifold and dumps the manifold fuel into the combustor to burn just before the engine shuts down.
- B) drains the engine manifold lines to prevent fuel boiling and subsequent deposits in the lines as a result of residual engine heat (at engine shutdown).
- C) dumps extra fuel into the engine in order to provide for quick engine acceleration during rapid throttle advancement.

62. AMP056 AMP

(Refer to Powerplant figure 6.) Which curve most nearly represents an aircraft engine's fuel/air ratio throughout its operating range?

- A) 1.
- B) 3.
- C) 2.

63. AMP041 AMP

What effect does high atmospheric humidity have on the operation of a jet engine?

- A) Decreases engine pressure ratio.
- B) Decreases compressor and turbine RPM.
- C) Has little or no effect.

64. AMP068 AMP

Under which of the following conditions will the trimming of a turbine engine be most accurate?

- A) High wind and high moisture.
- B) High moisture and low wind.
- C) No wind and low moisture.

65. AMP038 AMP  
If an engine is equipped with a float type carburetor and the engine runs excessively rich at full throttle, a possible cause of the trouble is a clogged  
A) main air bleed.  
B) back suction line.  
C) atmospheric vent line.
66. AMP037 AMP  
What is a function of the idling air bleed in a float type carburetor?  
A) It provides a means for adjusting the mixture at idle speeds.  
B) It vaporizes the fuel at idling speeds.  
C) It aids in emulsifying/vaporizing the fuel at idle speeds.
67. AMP022 AMP  
On a carburetor without an automatic mixture control as you ascend to altitude, the mixture will  
A) be enriched.  
B) be leaned.  
C) not be affected.
68. AMP054 AMP  
A nine cylinder radial engine, using a multiple point priming system with a central spider, will prime which cylinders?  
A) One, two, three, eight, and nine.  
B) All cylinders.  
C) One, three, five, and seven.
69. AMP068 AMP  
The active clearance control (ACC) portion of an EEC system aids turbine engine efficiency by  
A) adjusting stator vane position according to operating conditions and power requirements.  
B) ensuring turbine blade to engine case clearances are kept to a minimum by controlling case temperatures.  
C) automatically adjusting engine speed to maintain a desired EPR.
70. AMP068 AMP  
The generally acceptable way to obtain accurate on-site temperature prior to performing engine trimming is to  
A) call the control tower to obtain field temperature.  
B) observe the reading on the aircraft Outside Air Temperature (OAT) gauge.  
C) hang a thermometer in the shade of the nose wheel-well until the temperature reading stabilizes.
71. AMP042 AMP  
The fuel systems of aircraft certificated in the standard classification must include which of the following?  
A) An engine driven fuel pump and at least one auxiliary pump per engine.  
B) A positive means of shutting off the fuel to all engines.  
C) A reserve supply of fuel, available to the engine only after selection by the flightcrew, sufficient to operate the engines at least 30 minutes at METO power.
72. AMP023 AMP  
What precaution should be taken when putting thread lubricant on a tapered pipe plug in a carburetor float bowl?  
A) Put the thread lubricant only on the first thread.  
B) Do not use thread lubricant on any carburetor fitting.

C) Engage the first thread of the plug, then put a small amount of lubricant on the second thread and screw the plug in.

73. AMP041 AMP

(Refer to Powerplant figure 7.) What is the purpose of the fuel transfer ejectors?

- A) To supply fuel under pressure to the engine driven pump.
- B) To assist in the transfer of fuel from the main tank to the boost pump sump.
- C) To transfer fuel from the boost pump sump to the wing tank.

74. AMP039 AMP

The primary condition(s) that allow(s) microorganisms to grow in the fuel in aircraft fuel tanks is (are)

- A) warm temperatures and frequent fueling.
- B) the presence of water.
- C) the presence of dirt or other particulate contaminants.

75. AMP065 AMP

If a fire starts in the induction system during the engine starting procedure, what should the operator do?

- A) Turn off the fuel switches to stop the fuel.
- B) Continue cranking the engine.
- C) Turn off all switches.

76. AMP056 AMP

In addition to causing accelerated wear, dust or sand ingested by a reciprocating engine may also cause

- A) silicon fouling of spark plugs.
- B) sludge formation.
- C) acid formation.

77. AMP070 AMP

What are the three basic regulating components of a sea level boosted turbocharger system?

- 1. Exhaust bypass assembly.
  - 2. Compressor assembly.
  - 3. Pump and bearing casing.
  - 4. Density controller.
  - 5. Differential pressure controller.
- A) 2, 3, 4.
  - B) 1, 4, 5.
  - C) 1, 2, 3.

78. AMP050 AMP

What method(s) is/are used to provide clean air to the engines of helicopters and turboprop airplanes that have particle (sand and ice) separators installed?

- A) Positive and negative charged areas to attract and/or repel particulates out of the airflow.
- B) Air/moisture separators, and 'washing' the air clean utilizing water droplets.
- C) Sharp airflow directional change to take advantage of inertia and/or centrifugal force, and filters or engine inlet screens.

79. AMP068 AMP

The vortex dissipators installed on some turbine-powered aircraft to prevent engine FOD utilize

- A) variable inlet guide vanes (IGV) and/or variable first stage fan blades.
- B) variable geometry inlet ducts.
- C) a stream of engine bleed air blown toward the ground ahead of the engine.

80. AMP003 AMP  
What part of an aircraft in flight will begin to accumulate ice before any other?  
A) Wing leading edge.  
B) Propeller spinner or dome.  
C) Carburetor.
81. AMP056 AMP  
What is the position of the cowl flaps during engine starting and warmup operations under normal conditions?  
A) Full open at all times.  
B) Full closed at all times.  
C) Open for starting, closed for warmup.
82. AMP061 AMP  
Reciprocating engines used in helicopters are cooled by  
A) the downdraft from the main rotor.  
B) a fan mounted on the engine.  
C) blast tubes on either side of the engine mount.
83. AMP024 AMP  
Which of the following should a mechanic consult to determine the maximum amount of cylinder cooling fin that could be removed when cracks are found?  
A) AC 43.13-1A.  
B) Engine manufacturer's service or overhaul manual.  
C) Engine structure repair manual.
84. AMP028 AMP  
Generally, a small crack just started in a cylinder baffle  
A) requires repair by reinforcing, such as installation of a doubler over the area.  
B) requires no action unless it grows or is branched into two cracks.  
C) may be stop drilled.
85. AMP073 AMP  
Select a characteristic of a good weld on exhaust stacks.  
A) The weld should be built up 1/8 inch.  
B) Porousness or projecting globules should show in the weld.  
C) The weld should taper off smoothly into the base metal.
86. AMP056 AMP  
On an aircraft that utilizes an exhaust heat exchanger as a source of cabin heat, how should the exhaust system be inspected?  
A) X rayed to detect any cracks.  
B) Hydrostatically tested.  
C) With the heater air shroud removed.
87. AMP056 AMP  
Sodium filled valves are advantageous to an aviation engine because they  
A) are lighter.  
B) dampen valve impact shocks.

C) dissipate heat well.

88. AMP069 AMP

The hot section of a turbine engine is particularly susceptible to which of the following kind of damage?

- A) Galling.
- B) Pitting.
- C) Cracking.

89. AMP032 AMP

Thrust reversers utilizing a pneumatic actuating system usually receive operating pressure from

- A) the engine bleed air system.
- B) an on board hydraulic or electrical powered compressor.
- C) high pressure air reservoirs.

90. AMP052 AMP

What type of imbalance will cause a two blade propeller to have a persistent tendency to come to rest in a horizontal position (with the blades parallel to the ground) while being checked on a propeller balancing beam?

- A) Vertical.
- B) Horizontal.
- C) Harmonic.

91. AMP053 AMP

Grease used in aircraft propellers reduces the frictional resistance of moving parts and is easily molded into any form under pressure. This statement defines

- A) antifriction and plasticity characteristics of grease.
- B) antifriction and chemical stability of grease.
- C) viscosity and melting point of grease.

92. AMP052 AMP

Which of the following defects is cause for rejection of wood propellers?

- A) Solder missing from screw heads securing metal tipping.
- B) An oversize hub or bolthole, or elongated boltholes.
- C) No protective coating on propeller.

93. AMP053 AMP

The thrust produced by a rotating propeller is a result of

- A) an area of low pressure behind the propeller blades.
- B) an area of decreased pressure immediately in front of the propeller blades.
- C) the angle of relative wind and rotational velocity of the propeller.

94. AMP053 AMP

A constant speed propeller provides maximum efficiency by

- A) increasing blade pitch as the aircraft speed decreases.
- B) adjusting blade angle for most conditions encountered in flight.
- C) increasing the lift coefficient of the blade.

95. AMP052 AMP

(1) A mechanic certificate with a powerplant rating authorizes the holder to repair deep scars, nicks, and dents on aluminum propeller blades.

(2) A mechanic certificate with a powerplant rating authorizes the holder to perform minor straightening of steel propeller blades.

Regarding the above statements,

- A) only No. 1 is true.
- B) both No. 1 and No. 2 are true.
- C) neither No. 1 nor No. 2 is true.

96. AMP052 AMP

Maximum taper contact between crankshaft and propeller hub is determined by using

- A) bearing blue color transfer.
- B) a micrometer.
- C) a surface gauge.

97. AMP052 AMP

Propeller blade tracking is the process of determining

- A) the plane of rotation of the propeller with respect to the aircraft longitudinal axis.
- B) that the blade angles are within the specified tolerance of each other.
- C) the positions of the tips of the propeller blades relative to each other.

98. AMP052 AMP

Minor surface damage located in a repairable area, but not on the leading or trailing edges of aluminum blades, may be repaired by first

- A) filing with a riffle file.
- B) filing with a half round or flat file.
- C) rough sanding and applying a proper filler.

99. AMP053 AMP

The propeller governor controls the

- A) oil to and from the pitch changing mechanism.
- B) spring tension on the boost pump speeder spring.
- C) linkage and counterweights from moving in and out.

100. AMP017 AMP

Fuel scheduling during APU start and under varying pneumatic bleed and electrical loads is maintained

- A) manually through power control lever position.
- B) automatically by the APU fuel control system.
- C) automatically by an aircraft main engine fuel control unit.