



ALT-7 Computerized Test Report

P/N: **646843**

FAIL

S/N: **RETEST**

8/7/2015 12:29

Description: **24V, 60A, NEG**

This alternator has an external voltage regulator, some parameters do not apply. Plug Code: 0

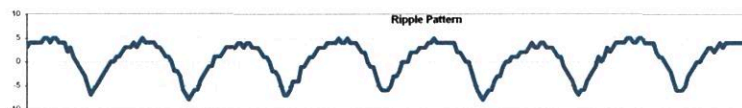
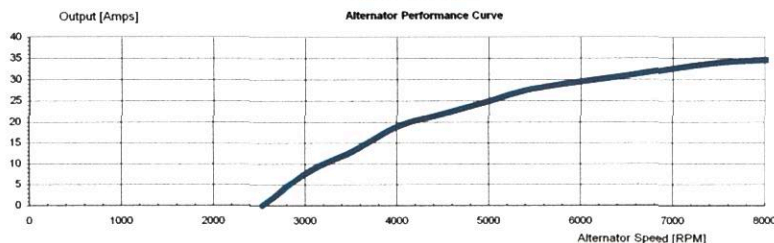
Test Results Table:

		MIN	RESULT	MAX
Maximum Alternator Output:	Amps	-	35	-
Maximum Output Power:	Watts	-	979 ^W	-
Voltage Set Point	Volts	-	-	-
Leakage Current	mAmps	-	0.19	-
Ripple Current	Amps	-	114	-
Alternator Turn On Speed	RPM	-	2463	-
Regulator Activation Speed	RPM	-	-	-
Secondary Regulation	Volts	-	-	-
Tachometer Frequency @ 2500RPM	Hz	267	292	317
Stator Voltage	Volts	-	14.5	-
Lamp Style Required:	Not Important	-	-	-
Lamp Type	-	-	-	-
LRC Delay	Sec.	-	-	-
Feedback (Full Load)	% PWM	-	-	-
Feedback (Minimum Load)	% PWM	-	-	-
Regulator Voltage (at Computer Control Function Test)	Volts	-	-	-

Output Current Table:

Output Current at 2000 RPM	Amps	0	0	40
Output Current at 3000 RPM	Amps	22	7	75
Output Current at 4000 RPM	Amps	22	18	75
Output Current at 5000 RPM	Amps	45	25	80
Output Current at 6000 RPM	Amps	45	29	90
Output Current at 7000 RPM	Amps	45	33	90
Output Current at 8000 RPM	Amps	57	34	90
Output Current at 0 RPM	Amps	0	0	75

Output tested @ 28 V



Failure Codes:

Claim No:
Operator: 37024
Date Code:
Remarks:

Code	Description	Correction
515	1) Defective stator or rectifier. 2) Unbalanced stator or rectifier. 3) 8 diode vs 6 diode rectifier.	1 & 2) Check stator and rectifier. 3) Check specs for 6 vs. 8 diode rectifier.
534	Output @ 1800 RPM is low.	Replace stator and/or rotor with high output parts.
535	Output @ 2000 RPM is low.	Replace rotor and/or stator with high output parts.
536	Output @ 2500 RPM is low.	Replace rotor and/or stator with high output parts.
537	Output @ 3000 RPM is low.	Replace rotor and/or stator with high output parts.
538	Output @ 4000 RPM is low.	Replace stator and/or rotor with high output parts.
539	Output @ 5000 RPM is low.	Replace stator and/or rotor with high output parts.
547	Very low output current.	Replace stator or rectifier.



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P/N: **646843**

S/N: **RETEST**

PASS

8/7/2015 12:33

Description: **24V, 60A, NEG**

This alternator has an external voltage regulator, some parameters do not apply.

Plug Code
0

Terminals / Application: Universal-J plug with 5 wires (JBT-Series) Field is protected by "in-line" Fuse

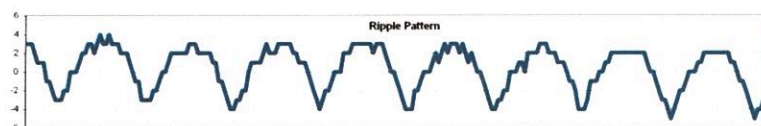
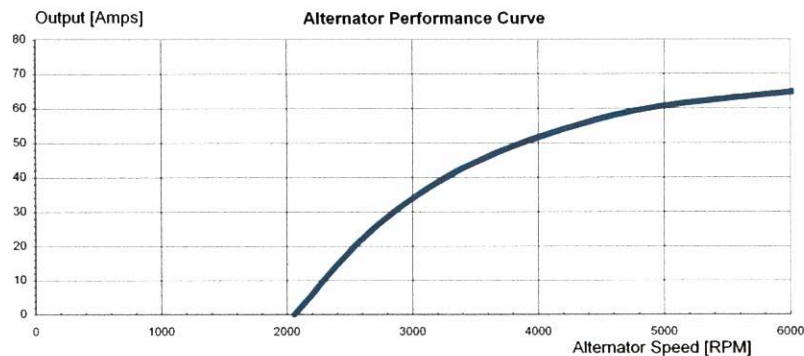
Test Results Table:

Maximum Alternator Output:	Amps	72
Maximum Output Power:	Watts	2018
Voltage Set Point	Volts	-
Leakage Current	mAmps	0.2
Ripple Current	Amps	9
Alternator Turn On Speed	RPM	1994
Regulator Activation Speed	RPM	-
Secondary Regulation	Volts	-
Tachometer Frequency	Hz	292
Stator Voltage	Volts	14.5
Lamp Style	-	-
Lamp Type	-	-
LRC Delay	Sec.	-
Feedback (Full Load)	% PWM	-
Feedback (Minimum Load)	% PWM	-
Regulator Voltage (at Computer Control Function Test)	Volts	-

Output Current Table:

Output Current at 2000 RPM	Amps	0
Output Current at 3000 RPM	Amps	33
Output Current at 4000 RPM	Amps	52
Output Current at 5000 RPM	Amps	61
Output Current at 6000 RPM	Amps	66
Output Current at 7000 RPM	Amps	69
Output Current at 8000 RPM	Amps	71
Output Current at 0 RPM	Amps	0

Output tested @ 28 V



Claim No:

Operator:

37024

Remarks:

Tech Tips:

#N/A