NEBRASKA TURBINE SERVICES
1157 County Road 20 Hooper, Ne. 68063
Phone (402) 654-2552 Fax (402) 654-3600

9/18/2012

OWNER TPT

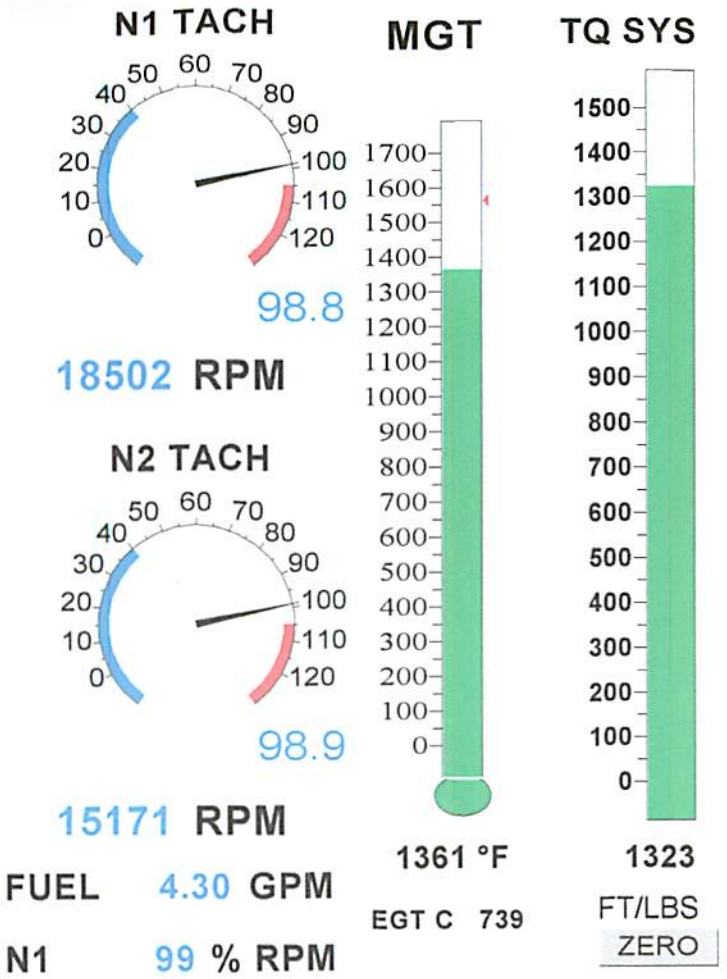
WORK ORDER # 120413-37

FUEL DENSITY 33.5
FUEL TYPE JET A

ENGINE MODEL T55-L-712
ENGINE SER.# LE-79170C

FUEL CONTROL SER.# N/A
J BOX SER # N/A

POWER SETTING	GROUND IDLE	FLIGHT IDLE	40% NORMAL	75% NORMAL	MCP	MAX INT	MAX
TIME	17:19:26	17:18:51	17:18:28	17:17:16	17:16:25	17:15:49	17:13:57
N1%	53.59	68.85	82.20	87.96	92.73	94.64	98.84
N2%	20.87	31.32	54.28	77.86	97.97	98.76	99.29
HORSE POWER	194.24	418.95	1120.13	1956.39	2751.78	3076.56	3838.15
FUEL PPH 1	288.10	444.46	741.58	1007.78	1297.85	1429.81	1746.46
FUEL PPH 2	288.10	444.46	741.58	1007.78	1297.85	1429.81	1746.46
FUEL AVG PPH	288.10	444.46	741.58	1007.78	1297.85	1429.81	1746.36
FUEL GPM	0.71	1.10	1.83	2.49	3.20	3.53	4.31
TORQUE FT LBS	318.82	458.07	706.80	860.59	962.02	1066.97	1323.98
TORQUE IN LBS	3825.85	5496.84	8481.66	10327.13	11544.22	12803.65	15887.80
MGT °F	798.47	840.42	933.47	1028.94	1171.04	1225.78	1362.02
AVG IAT °F	96.57	97.01	89.58	77.40	77.69	78.53	75.34
IAT1 °F	88.50	88.54	80.51	73.23	72.96	73.70	71.03
IAT 2 °F	104.63	105.49	98.65	81.57	82.41	83.35	79.63
BAROMETER	28.59	28.59	28.58	28.59	28.59	28.58	28.59
#2 BEARING TEMP °F	222.02	235.32	242.62	258.24	265.00	266.20	266.29
COMP DIS PSI	14.44	27.76	49.46	66.52	79.09	84.67	96.43
COMP DISCHARGE °	247.97	347.51	439.86	497.32	538.72	555.18	591.11
TORQUE METER MV	0.09	0.02	0.05	0.07	0.04	0.04	0.02
ACCY GEARBOX PSI	0.08	0.09	0.10	0.08	0.09	0.11	0.11
FUEL INLET PSI	40.81	38.13	33.49	30.07	26.46	24.81	21.20
FUEL CONTROL PUM	237.97	260.70	300.35	329.25	358.70	373.33	373.33
FUEL CONTROL OUT	287.35	320.51	371.59	408.92	446.38	463.77	512.45
PT BEARING °F	226.42	232.85	237.61	257.65	258.22	253.50	231.82
MAIN OIL PSI	50.54	75.67	97.66	100.99	107.14	108.27	111.02
#2 BEARING PSI	25.58	36.86	47.20	49.09	52.49	53.32	54.90
PT BEARING PSI	31.46	47.02	61.19	63.57	67.79	68.61	70.77
VIBRATION COMPRE	0.08	0.16	0.13	0.16	0.19	0.18	0.24
VIBRATION AXIAL	0.15	0.17	0.11	0.16	0.19	0.19	0.26
VIBRATION PT	0.21	0.31	0.18	0.21	0.34	0.40	0.49
OIL TEMP °F	181.13	183.31	184.37	184.78	181.27	177.44	158.10
FUEL °F	75.43	75.05	74.82	74.52	74.53	74.53	74.53



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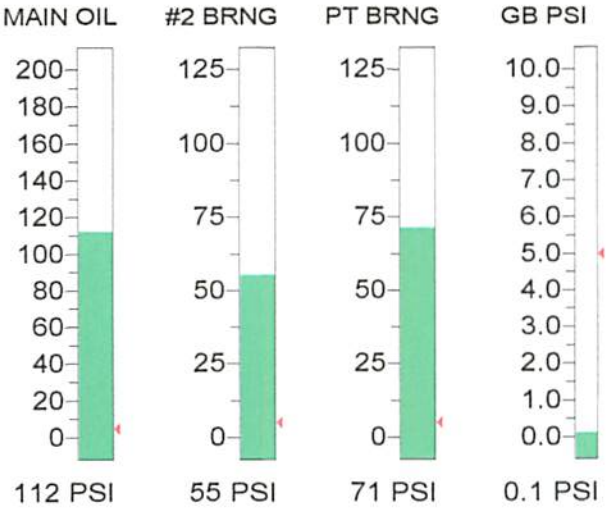
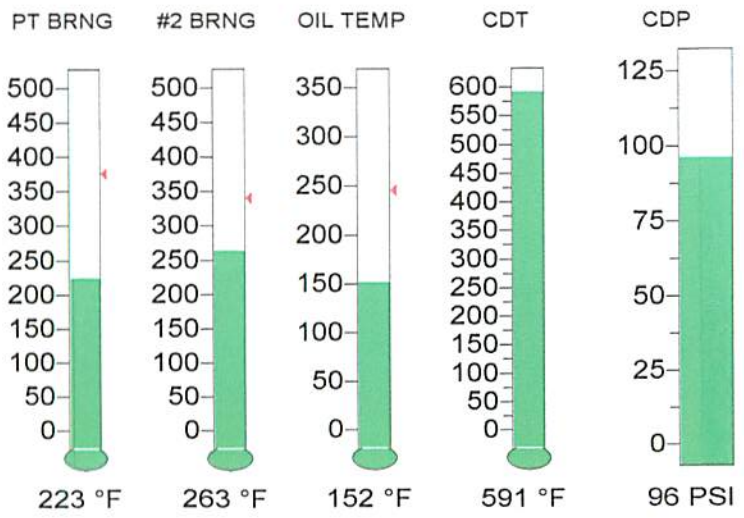
9/18/2012 17:13:36

ZERO

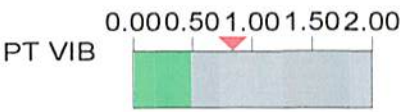
BAROMETER	28.59	IN/HG
FUEL FLOW 1	1741.15	PHR
FUEL FLOW 2	1741.15	PHR
COMP FUEL	1822.80	PHR
FUEL IN	21	PSI
FUEL TEMP	75	°F
INLET AIR 1	72	°F
INLET AIR 2	80	°F
FLOW DIVIDER IN	511	PSI
FUEL CONTROL	412	PSI
TORQUE	15883	IN/LBS
TM VOLTS	0	MV
TQ METER		0

COMP	4003 HP
ACTUAL	3825 HP
AVG IAT	75.9 °F
F AVG	1742 PPH





Owner	TPT
Model	T55-L-712F
Engine Ser.#	LE-79170C
Fuel Control Ser.#	N/A
Fuel Type	JET A
Fuel Density	33.5



00:23:46

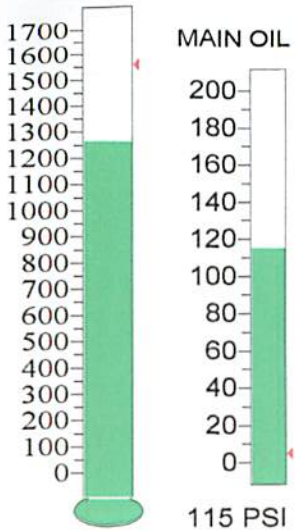
START STOP RATE

GI FI 40% 75% MCP INT MAX

Pnt Fnt Pnt Spc Pnt Acc Pnt Vib

1 2 3 4

MGT



1262 °F

N1 95 % RPM 17:11:28

9/18/2012

N2 96 % RPM

COMP 3327 HP

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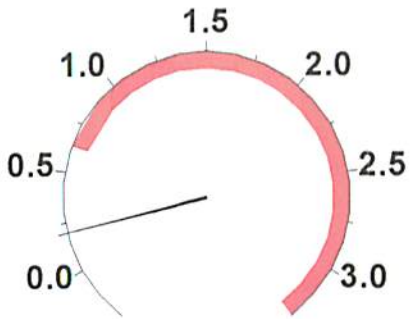
ENGINE SER # LE-79170C

Pnt Fnt	Pnt Spc	Pnt Acc	Pnt Vib

GI	FI	40%	75%	MCP	INT

INLET

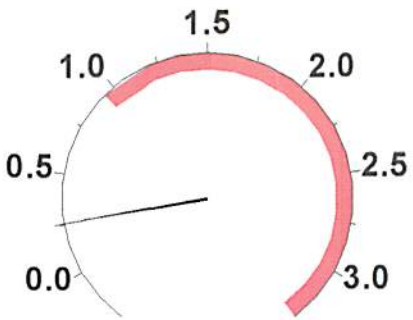
VIB CH1



0.20

AXIAL

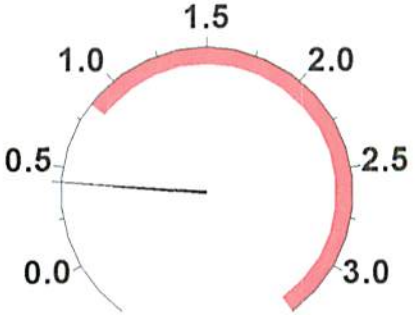
VIB CH2



0.26

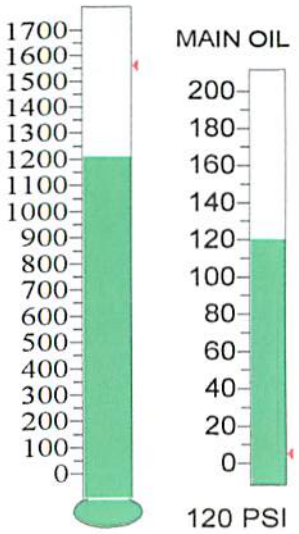
PT

VIB CH3



0.43

MGT



1206 °F

N1 93 % RPM 17:10:48

9/18/2012

N2 103 % RPM

COMP 3040 HP

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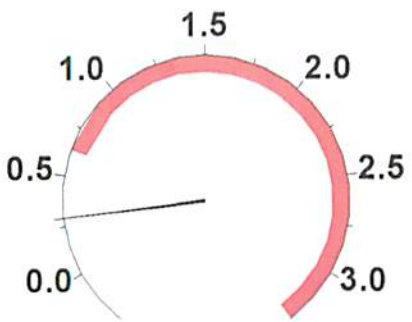
ENGINE SER # LE-79170C

Pnt Fnt	Pnt Spc	Pnt Acc	Pnt Vib

GI	FI	40%	75%	MCP	INT

INLET

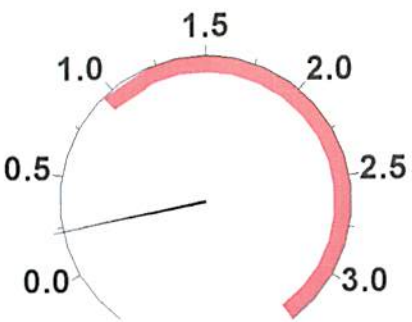
VIB CH1



0.29

AXIAL

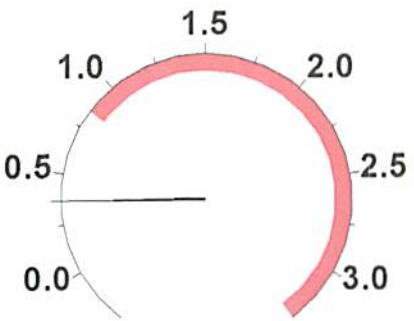
VIB CH2



0.23

PT

VIB CH3



0.37