

NEBRASKA TURBINE SERVICES

6/14/2012

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

OWNER TPT

WORK ORDER # 120411-37D

FUEL DENSITY 33.5

ENGINE MODEL T55-L-712

FUEL CONTROL SER.# N/A

FUEL TYPE JET A

ENGINE SER.# LE-79130C

J BOX SER # N/A

POWER SETTING	GROUND IDLE	FLIGHT IDLE	40% NORMAL	75% NORMAL	MCP	MAX INT	MAX
TIME	11:06:38	11:06:07	11:05:39	11:04:40	11:03:53	11:02:37	11:00:13
N1%	52.25	70.08	85.18	90.90	95.74	97.85	101.87
N2%	19.73	31.46	59.74	78.12	98.04	98.92	97.86
HORSE POWER	65.64	259.23	1110.98	1807.27	2611.94	2966.61	3661.85
FUEL PPH 1	283.74	463.43	858.93	1162.98	1505.75	1652.85	1969.54
FUEL PPH 2	283.74	463.43	858.93	1162.98	1505.75	1652.85	1969.54
FUEL AVG PPH	283.74	463.43	858.93	1162.98	1505.75	1652.85	1969.54
FUEL GPM	0.70	1.14	2.12	2.87	3.72	4.08	4.86
TORQUE FT LBS	113.97	282.23	636.92	792.38	912.48	1027.12	1281.60
TORQUE IN LBS	1367.59	3386.78	7643.08	9508.60	10949.79	12325.48	15379.25
MGT °F	888.02	892.21	1000.95	1154.43	1319.09	1383.64	1523.73
AVG IAT °F	99.60	100.48	86.24	85.89	86.30	85.13	85.28
IAT1 °F	99.60	100.48	86.24	85.89	86.30	85.13	85.28
IAT 2 °F	99.60	100.48	86.24	85.89	86.30	85.13	85.28
BAROMETER	28.46	28.46	28.45	28.45	28.45	28.45	28.45
#2 BEARING TEMP °F	245.84	263.53	277.55	286.91	294.25	296.82	296.27

COMP DIS PSI	12.48	28.56	57.87	72.32	85.49	90.27	100.90
COMP DISCHARGE °	257.08	359.38	483.51	531.05	572.91	589.14	625.25
TORQUE METER MV	0.03	0.04	0.06	0.06	0.07	0.06	0.02
ACCY GEARBOX PSI	0.23	0.21	0.22	0.26	0.31	0.28	0.32
FUEL INLET PSI	41.29	38.11	32.30	28.45	24.45	22.69	19.10
FUEL CONTROL PUM	225.54	251.12	303.76	335.15	374.90	394.20	394.20
FUEL CONTROL OUT	274.47	312.84	379.26	419.03	468.00	491.90	547.12
PT BEARING °F	244.67	251.92	259.98	272.55	273.17	271.61	247.69
MAIN OIL PSI	35.57	59.22	84.04	93.82	101.59	103.23	113.03

#2 BEARING PSI	19.78	32.13	45.04	50.18	54.47	56.07	61.99
PT BEARING PSI	23.48	38.49	54.44	60.66	65.97	67.36	74.41
VIBRATION COMPRE	0.13	0.22	0.23	0.23	0.39	0.44	0.46
VIBRATION AXIAL	0.18	0.12	0.17	0.20	0.53	0.57	0.50
VIBRATION PT	0.37	0.51	0.45	0.49	0.60	0.66	0.63
OIL TEMP °F	192.03	194.50	195.89	196.17	194.94	190.44	172.76
FUEL °F	78.05	77.76	77.46	77.18	77.19	76.89	76.89

1

2

3

4

6/14/2012

11:00:07

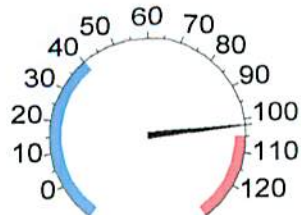
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ZERO

BAROMETER 28.44 IN/HG
FUEL FLOW 1 1971.86 PHR
FUEL FLOW 2 1971.86 PHR
COMP FUEL 2075.45 PHR
FUEL IN 19 PSI
FUEL TEMP 77 °F
INLET AIR 1 85 °F
INLET AIR 2 85 °F
FLOW DIVIDER IN 548 PSI
FUEL CONTROL 441 PSI
TORQUE 15381 IN/LBS
TM VOLTS 0 MV
TQ METER 0

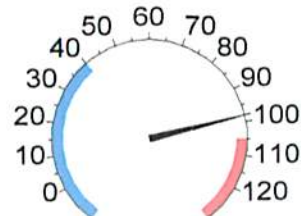
N1 TACH



101.9

19070 RPM

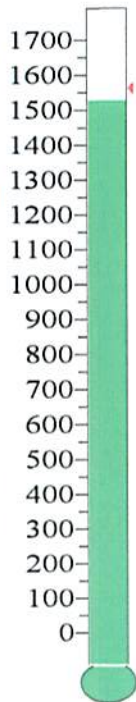
N2 TACH



98.1

15035 RPM

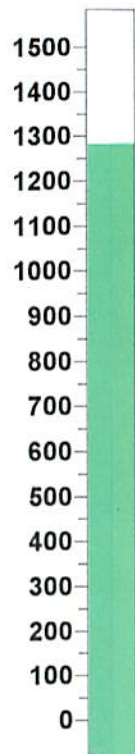
MGT



1526 °F

EGT C 830

TQ SYS



1281

FT/LBS
ZERO

COMP

3860 HP

ACTUAL

3669 HP

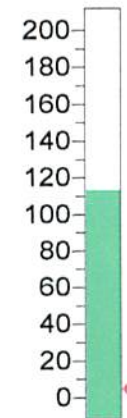
AVG IAT

84.6 °F

F AVG

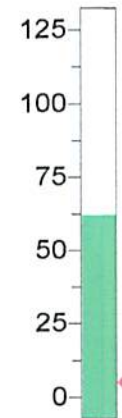
1973 PPH

MAIN OIL



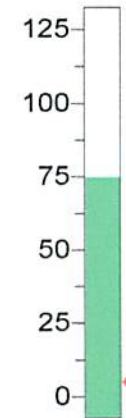
113 PSI

#2 BRNG



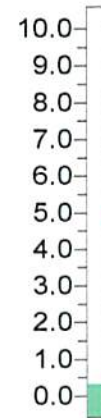
62 PSI

PT BRNG



74 PSI

GB PSI

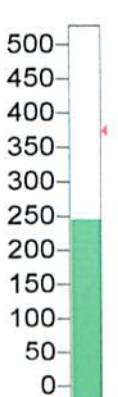


0.3 PSI

FUEL 4.87 GPM

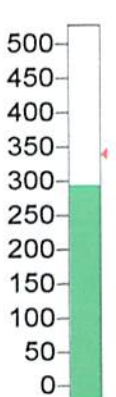
N1 102 % RPM

PT BRNG



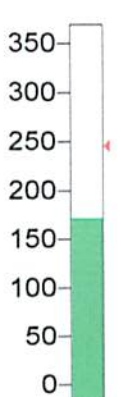
245 °F

#2 BRNG



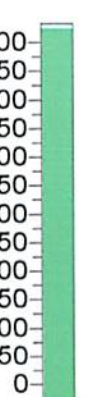
294 °F

OIL TEMP



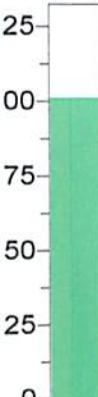
172 °F

CDT



623 °F

CDP



101 PSI

Owner TPT

Model

T55-L-712F

Engine Ser.#

LE-79130C

Fuel Control Ser.#

N/A

Fuel Type

JET A

Fuel Density

33.5

00:15:38

START

STOP

RATE

GI

FI

40%

75%

MCP

INT

MAX

Pnt Fnt

Pnt Spc

Pnt Acc

Pnt Vib

PT VIB 0.000.50 1.00 1.50 2.00

0.66

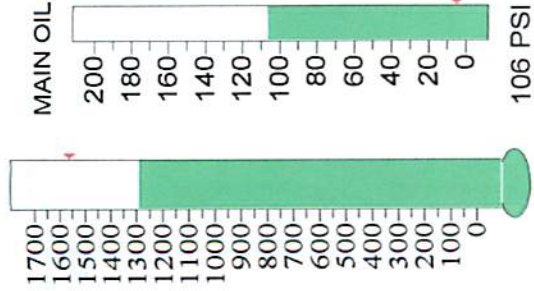
1

2

3

4

MGT



1288 °F

N1 95 % RPM 10:57:26

N2 95 % RPM 6/14/2012

COMP 2606 HP

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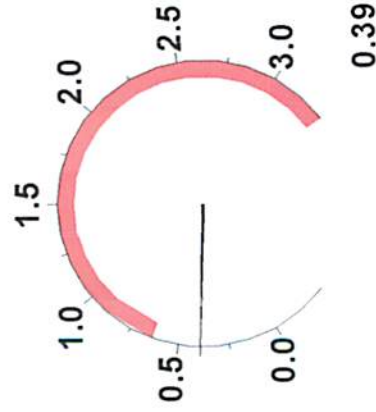
ENGINE SER # LE-79130C

Pnt Fnt	Pnt Spc	Pnt Acc	Pnt Vib
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GI	FI	40%	75%	MCP	INT
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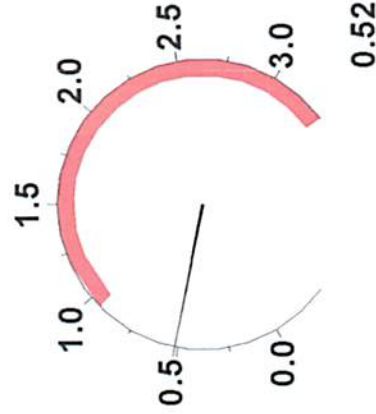
INLET

VIB CH1



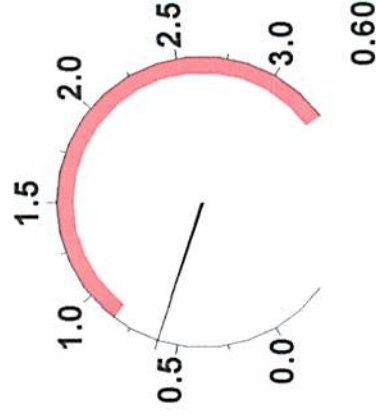
AXIAL

VIB CH2



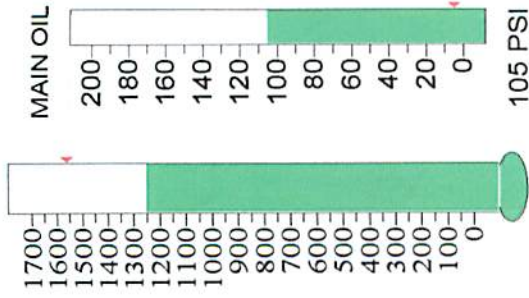
PT

VIB CH3



1	2	3	4
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MGT



N1 94 % RPM 10:56:16

N2 103 % RPM 6/14/2012

COMP 2332 HP

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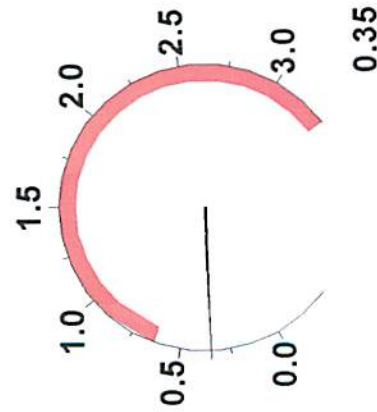
ENGINE SER # LE-79130C

Pnt Fnt	Pnt Spc	Pnt Acc	Pnt Vib
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GI	FI	40%	75%	MCP	INT
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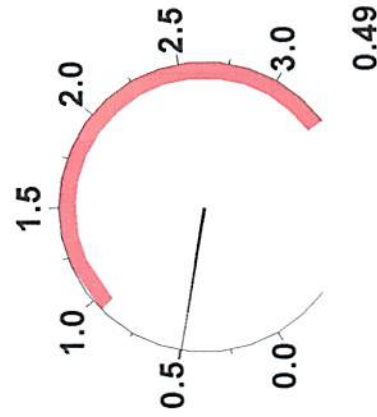
INLET

VIB CH1



AXIAL

VIB CH2



PT

VIB CH3

