

NEBRASKA TURBINE SERVICES

6/15/2012

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

OWNER TPT

WORK ORDER # 120414-37D

FUEL DENSITY 33.5

ENGINE MODEL T55-L-712

FUEL CONTROL SER.# N/A

FUEL TYPE JET A

ENGINE SER.# LE-73051C

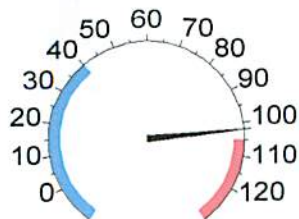
J BOX SER # N/A

POWER SETTING	GROUND IDLE	FLIGHT IDLE	40% NORMAL	75% NORMAL	MCP	MAX INT	MAX
TIME	9:00:19	8:59:51	8:57:16	8:55:37	8:53:59	8:52:44	8:51:14
N1%	52.47	70.60	83.86	91.11	95.80	97.75	101.94
N2%	20.40	32.95	57.88	80.41	98.64	98.37	98.42
HORSE POWER	85.61	310.30	1109.85	2020.52	2818.75	3153.23	3914.12
FUEL PPH 1	294.08	489.05	842.03	1229.89	1559.59	1699.17	2032.43
FUEL PPH 2	294.08	489.05	842.03	1229.89	1559.59	1699.17	2032.43
FUEL AVG PPH	294.08	489.05	842.03	1229.89	1559.59	1699.17	2032.43
FUEL GPM	0.73	1.21	2.08	3.03	3.85	4.19	5.02
TORQUE FT LBS	143.75	322.53	656.75	860.60	978.75	1097.85	1362.04
TORQUE IN LBS	1725.05	3870.41	7880.98	10327.21	11745.06	13174.18	16344.54
MGT °F	826.84	844.55	921.26	1113.30	1263.23	1322.28	1469.30
AVG IAT °F	80.86	79.09	68.97	69.34	69.77	69.71	69.46
IAT1 °F	80.86	79.09	68.97	69.34	69.77	69.71	69.46
IAT 2 °F	80.86	79.09	68.97	69.34	69.77	69.71	69.46
BAROMETER	28.57	28.57	28.56	28.56	28.56	28.56	28.55
#2 BEARING TEMP °F	220.88	231.98	241.46	251.15	257.27	257.02	254.17

COMP DIS PSI	10.31	26.41	56.87	73.45	86.47	94.55	107.70
COMP DISCHARGE °	243.11	353.98	459.70	518.78	559.42	575.80	610.88
TORQUE METER MV	0.03	0.01	0.04	0.01	0.02	0.03	0.02
ACCY GEARBOX PSI	0.16	0.16	0.10	0.14	0.15	0.18	0.25
FUEL INLET PSI	40.93	37.67	32.28	27.37	23.61	22.06	18.38
FUEL CONTROL PUM	239.88	270.35	321.40	370.50	415.04	436.85	436.85
FUEL CONTROL OUT	292.47	334.25	397.67	455.86	509.82	535.67	603.76
PT BEARING °F	214.94	218.23	234.10	247.47	255.98	247.37	221.52
MAIN OIL PSI	48.30	81.16	105.33	111.55	113.89	115.46	118.57

#2 BEARING PSI	25.96	42.67	54.76	57.95	59.29	60.53	63.01
PT BEARING PSI	31.83	53.38	69.21	73.27	75.26	76.54	79.20
VIBRATION COMPRE	0.16	0.23	0.21	0.23	0.30	0.33	0.39
VIBRATION AXIAL	0.11	0.20	0.15	0.16	0.37	0.35	0.32
VIBRATION PT	0.27	0.40	0.53	0.59	0.62	0.63	0.73
OIL TEMP °F	174.29	175.75	180.33	179.74	172.62	161.51	138.05
FUEL °F	75.99	75.69	75.43	75.42	75.12	75.12	75.31

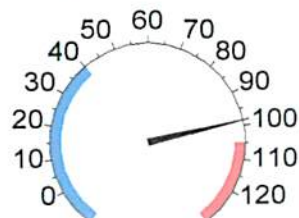
N1 TACH



102.0

19093 RPM

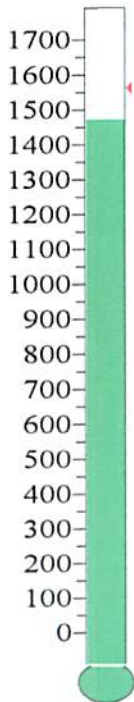
N2 TACH



98.4

15091 RPM

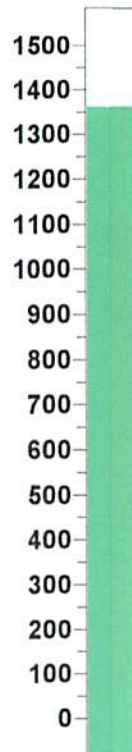
MGT



1469 °F

EGT C 798

TQ SYS



1361

FT/LBS
ZERO

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COMP

4099 HP

ACTUAL

3912 HP

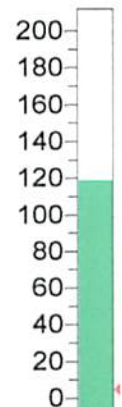
AVG IAT

69.5 °F

F AVG

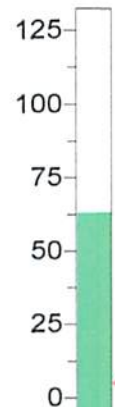
2035 PPH

MAIN OIL



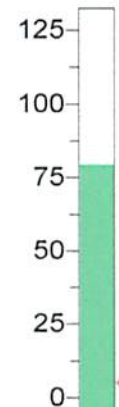
119 PSI

#2 BRNG



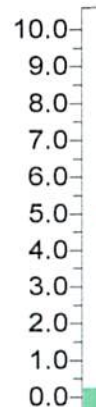
63 PSI

PT BRNG



79 PSI

GB PSI



0.2 PSI

6/15/2012

8:51:15

ZERO

BAROMETER 28.56 IN/HG

FUEL FLOW 1 2035.32 PHR

FUEL FLOW 2 2035.32 PHR

COMP FUEL 2132.43 PHR

FUEL IN 18 PSI

FUEL TEMP 75 °F

INLET AIR 1 69 °F

INLET AIR 2 69 °F

FLOW DIVIDER IN 604 PSI

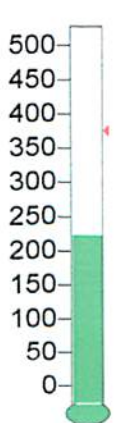
FUEL CONTROL 495 PSI

TORQUE 16342 IN/LBS

TM VOLTS 0 MV

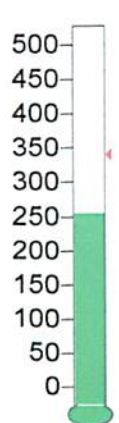
TQ METER ●●●●●●●●●● 0

PT BRNG



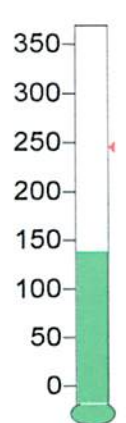
222 °F

#2 BRNG



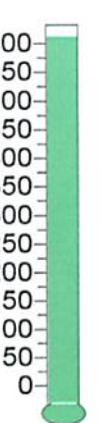
254 °F

OIL TEMP



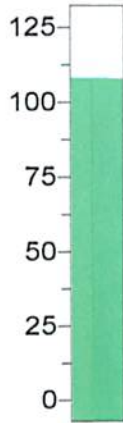
138 °F

CDT



611 °F

CDP



108 PSI

Owner TPT

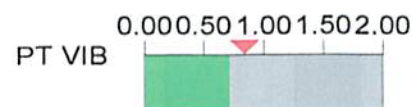
Model T55-L-712F

Engine Ser.# LE-73051C

Fuel Control Ser.# N/A

Fuel Type JET A

Fuel Density 33.5



0.72

00:08:36

START

STOP

RATE

GI

FI

40%

75%

MCP

INT

MAX

Pnt Fnt

Pnt Spc

Pnt Acc

Pnt Vib

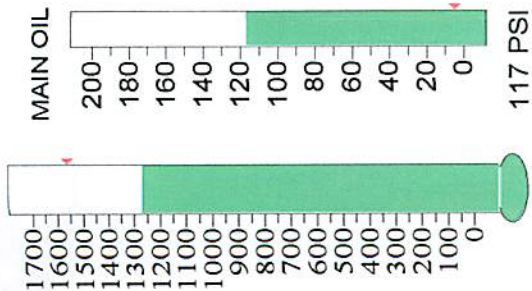
1

2

3

4

MGT



1270 °F

N1 95 % RPM 8:49:48

6/15/2012

N2 96 % RPM

COMP 2846 HP

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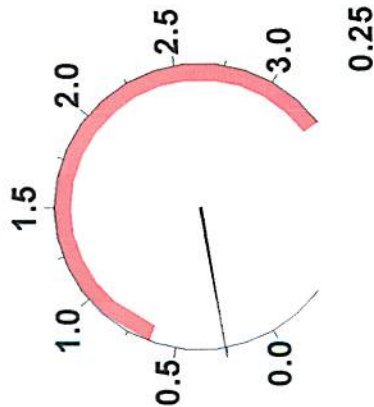
ENGINE SER # LE-73051C

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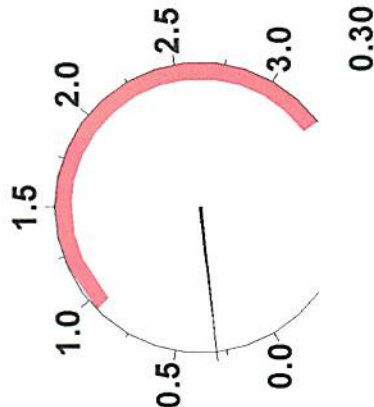
INLET

VIB CH1



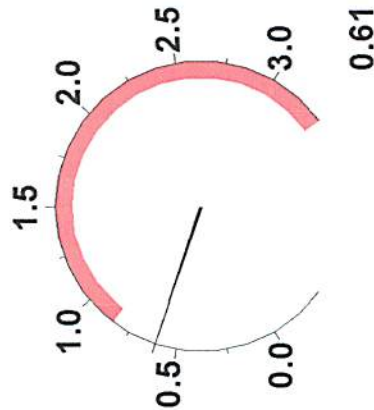
AXIAL

VIB CH2



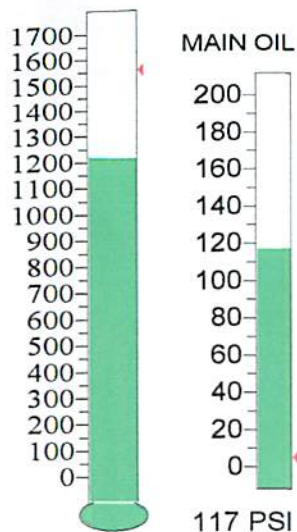
PT

VIB CH3



1	2	3	4
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MGT



1220 °F

N1 93 % RPM 8:48:58

6/15/2012

N2 102 % RPM

COMP 2519 HP

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ENGINE SER # LE-73051C

Pnt Fnt	Pnt Spc	Pnt Acc	Pnt Vib

GI

FI

40%

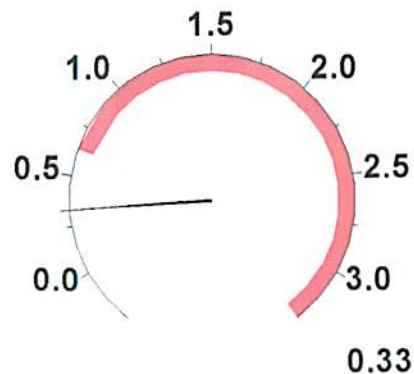
75%

MCP

INT

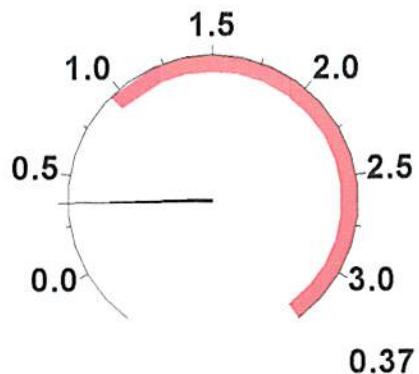
INLET

VIB CH1



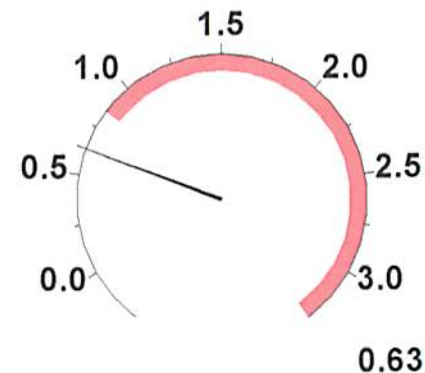
AXIAL

VIB CH2



PT

VIB CH3



1

2

3

4