

NEBRASKA TURBINE SERVICES

9/19/2012

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

OWNER TPT

WORK ORDER # 120411-37

FUEL DENSITY 33.5

ENGINE MODEL T55-L-712

FUEL CONTROL SER.# N/A

FUEL TYPE JET A

ENGINE SER.# LE-73041C

J BOX SER # N/A

POWER SETTING	GROUND IDLE	FLIGHT IDLE	40% NORMAL	75% NORMAL	MCP	MAX INT	MAX
TIME	16:05:30	16:05:09	16:04:48	16:02:32	16:01:43	15:59:58	15:58:34
N1%	52.64	68.90	85.73	91.01	96.13	97.96	101.74
N2%	19.79	30.27	60.52	77.69	98.42	87.45	98.43
HORSE POWER	68.57	231.85	1119.45	1774.17	2616.26	2895.88	3612.26
FUEL PPH 1	280.25	438.19	860.78	1138.06	1494.52	1620.37	1928.36
FUEL PPH 2	280.25	438.19	860.78	1138.06	1494.52	1620.37	1928.36
FUEL AVG PPH	280.25	438.19	860.78	1138.06	1494.52	1620.37	1928.36
FUEL GPM	0.69	1.08	2.12	2.81	3.69	4.00	4.76
TORQUE FT LBS	118.68	262.30	633.52	782.15	910.45	1134.13	1256.99
TORQUE IN LBS	1424.15	3147.59	7602.25	9385.81	10925.45	13609.51	15083.92
MGT °F	893.89	889.06	979.59	1127.66	1296.28	1345.81	1483.90
AVG IAT °F	105.10	105.42	89.92	89.81	88.81	89.24	87.66
IAT1 °F	96.92	97.23	83.62	83.84	83.15	83.53	82.95
IAT 2 °F	113.28	113.62	96.21	95.78	94.47	94.96	92.36
BAROMETER	28.48	28.48	28.47	28.47	28.47	28.47	28.46
#2 BEARING TEMP °F	253.36	262.96	275.56	89.42	87.58	80.26	83.25

COMP DIS PSI	12.78	27.02	59.30	72.85	87.41	92.45	102.65
COMP DISCHARGE °	271.22	364.75	488.79	535.17	581.45	597.29	628.59
TORQUE METER MV	0.03	0.01	0.02	-0.00	0.02	0.02	0.05
ACCY GEARBOX PSI	0.10	0.10	0.13	0.17	0.20	0.21	0.24
FUEL INLET PSI	41.51	38.64	32.58	28.65	24.22	23.07	19.81
FUEL CONTROL PUM	258.89	282.46	337.76	364.16	400.39	415.29	415.29
FUEL CONTROL OUT	307.73	345.04	409.36	447.35	492.79	512.12	560.58
PT BEARING °F	231.20	231.41	233.74	243.64	244.31	234.85	221.68
MAIN OIL PSI	46.90	72.13	100.10	103.05	110.67	111.90	115.39

#2 BEARING PSI	25.23	38.21	54.04	55.84	60.69	61.87	64.31
PT BEARING PSI	30.99	47.17	66.37	68.46	74.08	75.26	77.51
VIBRATION COMPRE	0.18	0.21	0.33	0.16	0.28	0.23	0.32
VIBRATION AXIAL	0.27	0.31	0.30	0.42	0.58	0.42	0.49
VIBRATION PT	0.58	0.38	0.40	0.55	0.56	0.63	0.67
OIL TEMP °F	196.76	198.00	198.63	199.16	195.70	183.38	161.42
FUEL °F	78.05	77.76	77.47	76.89	76.89	76.59	78.35

9/19/2012

15:58:34

N1 TACH

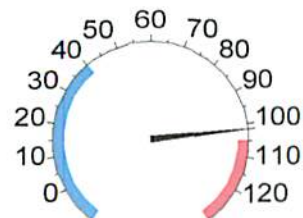
MGT

TQ SYS

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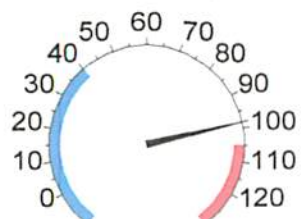
ZERO



101.7

19036 RPM

N2 TACH



98.3

15078 RPM

FUEL 4.74 GPM

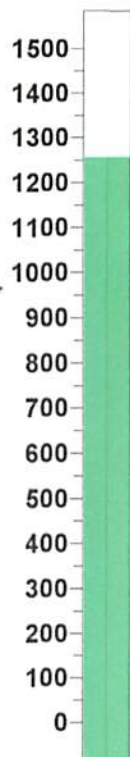
N1 102 % RPM

1484 °F

EGT C 807

FT/LBS

ZERO



1256

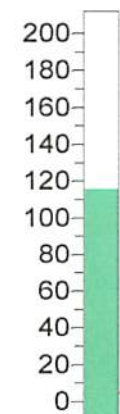
COMP 3789 HP

ACTUAL 3605 HP

AVG IAT 88.0 °F

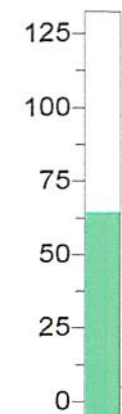
F AVG 1923 PPH

MAIN OIL



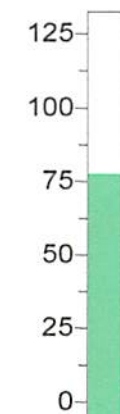
115 PSI

#2 BRNG



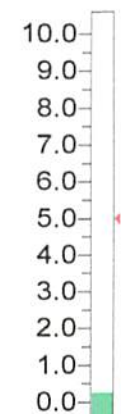
64 PSI

PT BRNG



77 PSI

GB PSI



0.2 PSI

BAROMETER 28.46 IN/HG

FUEL FLOW 1 1924.19 PHR

FUEL FLOW 2 1924.19 PHR

COMP FUEL 2021.53 PHR

FUEL IN 20 PSI

FUEL TEMP 79 °F

INLET AIR 1 83 °F

INLET AIR 2 93 °F

FLOW DIVIDER IP 560 PSI

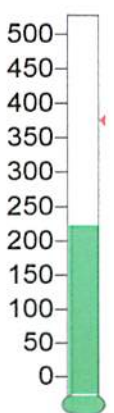
FUEL CONTROL 455 PSI

TORQUE 15069 IN/LBS

TM VOLTS 0 MV

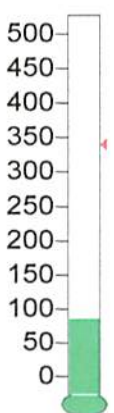
TQ METER 0

PT BRNG



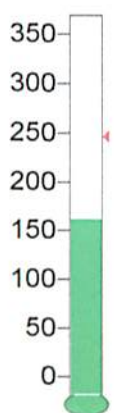
221 °F

#2 BRNG



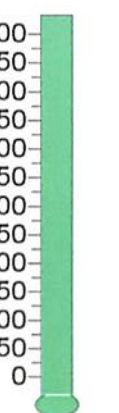
85 °F

OIL TEMP



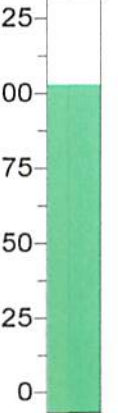
161 °F

CDT



629 °F

CDP



103 PSI

Owner TPT

Model T55-L-712F

Engine Ser.# LE-73041C

Fuel Control Ser.# N/A

Fuel Type JET A

Fuel Density 33.5

00:34:30

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

0.67

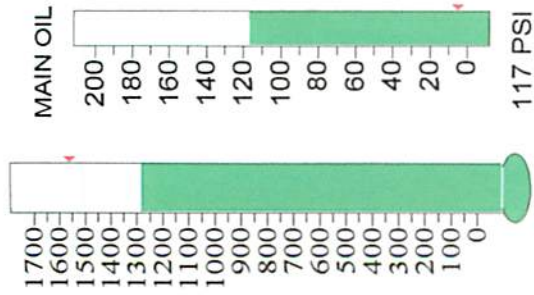
1

2

3

4

MGT



N1 95 % RPM 15:56:57

9/19/2012

N2 96 % RPM

COMP 2607 HP

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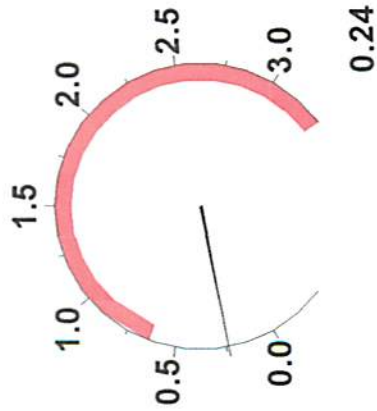
ENGINE SER # LE-73041C

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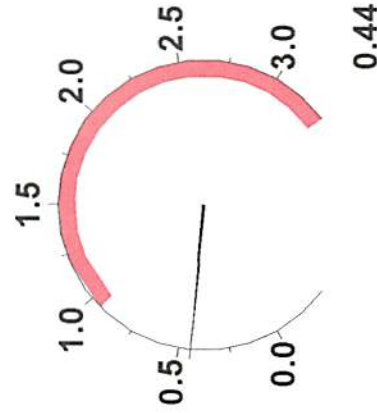
INLET

VIB CH1



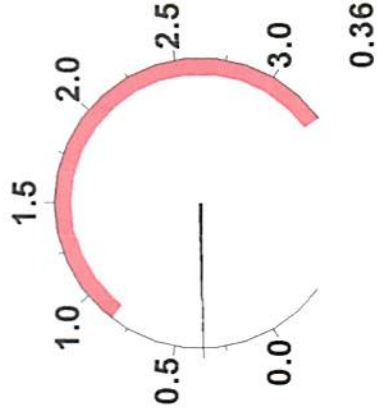
AXIAL

VIB CH2

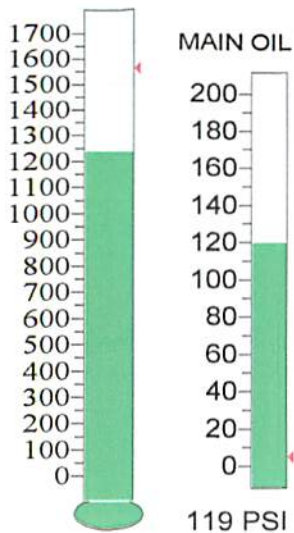


PT

VIB CH3



MGT



1235 °F

N1 93 % RPM 15:56:02

9/19/2012

N2 102 % RPM

COMP 2301 HP

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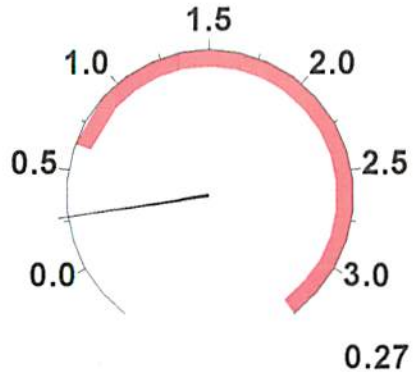
ENGINE SER # LE-73041C

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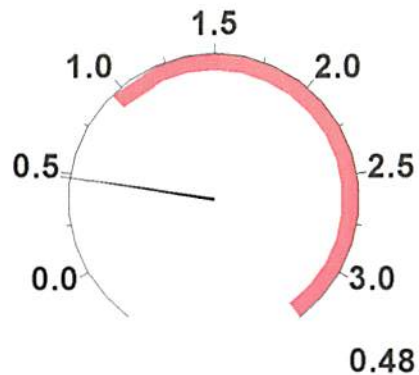
INLET

VIB CH1



AXIAL

VIB CH2



PT

VIB CH3

