

NEBRASKA TURBINE SERVICES

6/26/2012

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-79117C

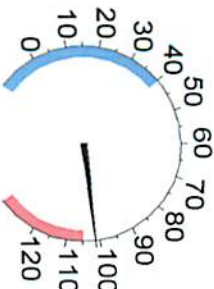
J BOX SER # N/A

POWER SETTING	GROUND IDLE	FLIGHT IDLE	40% NORMAL	75% NORMAL	MCP	MAX INT	MAX
TIME	9:02:40	9:02:10	9:01:48	9:00:48	9:00:03	8:59:27	8:58:04
N1%	52.49	70.35	85.20	90.61	95.19	97.22	101.21
N2%	20.01	32.01	60.57	78.86	98.06	98.76	98.78
HORSE POWER	62.54	258.74	1130.26	1817.07	2590.12	2949.14	3670.97
FUEL PPH 1	285.70	465.98	853.59	1138.23	1459.79	1606.20	1922.12
FUEL PPH 2	285.70	465.98	853.59	1138.23	1459.79	1606.20	1922.12
FUEL AVG PPH	285.70	465.98	853.59	1138.23	1461.01	1606.20	1922.12
FUEL GPM	0.70	1.15	2.11	2.81	3.61	3.96	4.74
TORQUE FT LBS	107.03	276.87	639.08	789.13	904.69	1022.75	1272.85
TORQUE IN LBS	1284.36	3322.47	7668.97	9469.60	10856.25	12272.97	15274.17
MGT °F	895.79	894.24	967.19	1113.46	1259.43	1322.45	1458.51
AVG IAT °F	98.32	92.98	83.83	84.66	84.14	84.38	84.02
IAT1 °F	98.32	92.98	83.83	84.66	84.19	84.38	84.02
IAT 2 °F	98.32	92.98	83.83	84.66	84.19	84.38	84.02
BAROMETER	28.51	28.50	28.50	28.50	28.50	28.50	28.50
#2 BEARING TEMP °F	236.18	249.32	256.85	269.16	279.04	282.47	287.16

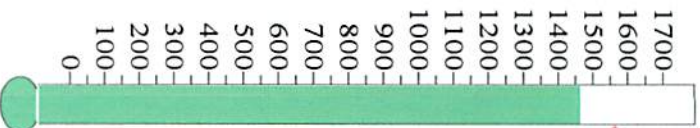
COMP DIS PSI	13.15	28.92	58.84	72.49	85.89	91.48	102.67
COMP DISCHARGE °	256.36	363.63	474.48	522.02	562.37	580.49	611.81
TORQUE METER MV	-0.02	0.04	0.05	0.04	0.02	0.01	0.01
ACCY GEARBOX PSI	0.09	0.05	0.08	0.12	0.17	0.19	0.29
FUEL INLET PSI	40.84	37.91	32.07	28.45	24.68	22.87	19.40
FUEL CONTROL PUM	261.04	290.45	340.24	366.52	401.72	420.16	420.16
FUEL CONTROL OUT	308.35	349.98	413.12	447.10	491.99	512.85	564.87
PT BEARING °F	231.24	241.63	249.68	262.37	264.16	259.03	240.81
MAIN OIL PSI	43.55	71.68	100.81	106.38	107.34	107.60	112.41

#2 BEARING PSI	22.24	35.95	50.74	54.07	55.82	56.79	61.00
PT BEARING PSI	28.07	46.06	65.19	69.38	70.70	71.36	75.26
VIBRATION COMPRE	0.23	0.30	0.39	0.38	0.41	0.43	0.46
VIBRATION AXIAL	0.29	0.25	0.23	0.35	0.50	0.50	0.46
VIBRATION PT	0.46	0.29	0.29	0.48	0.70	0.75	0.74
OIL TEMP °F	185.57	187.78	188.73	187.15	183.77	179.57	163.31
FUEL °F	77.29	76.89	76.89	76.89	76.89	76.59	77.18

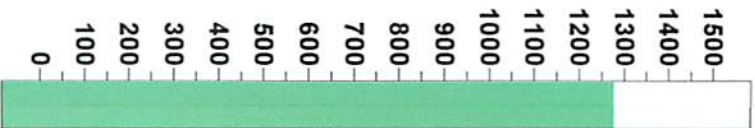
N1 TACH



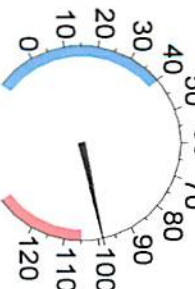
MG1



TQ SYS



15130 RPM

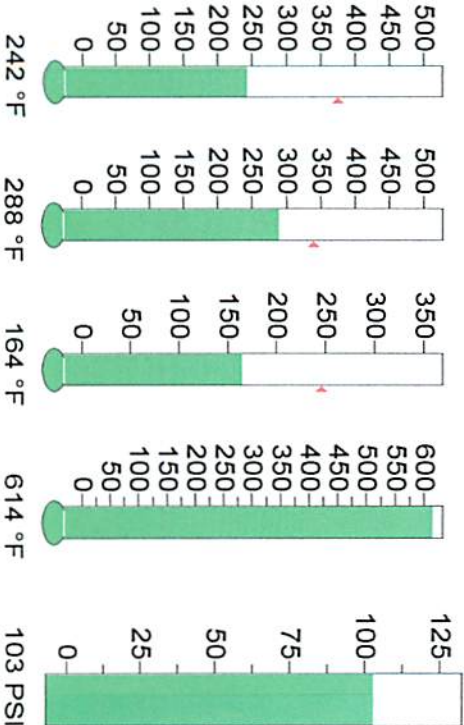


FUEL 4.74 GPM

Egt C 794

N1 101 % RPM

PT BRNG #2 BRNG OIL TEMP CDT CDP



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COMP

3861 HP

ACTUAL

3677 HP

AVG IAT

83.9 °F

F AVG

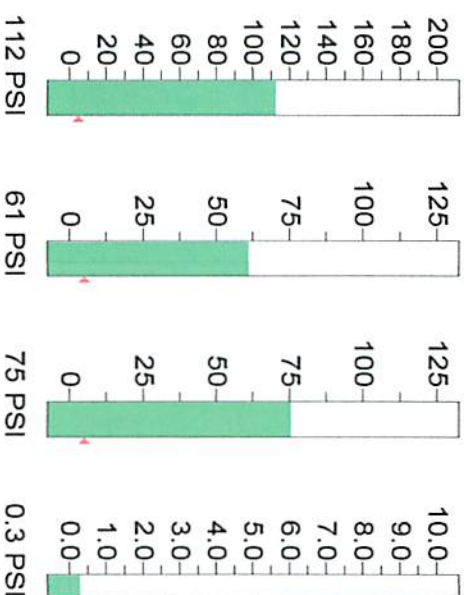
1921 PPH

MAIN OIL

#2 BRNG

PT BRNG

GB PSI



6/26/2012

8:58:09

ZERO

BAROMETER 28.50 IN/HG

FUEL FLOW 1 1919.68 PHR

FUEL FLOW 2 1919.68 PHR

COMP FUEL 2017.17 PHR

FUEL IN 19 PSI

FUEL TEMP 77 °F

INLET AIR 1 84 °F

INLET AIR 2 84 °F

FLOW DIVIDER IN 564 PSI

FUEL CONTROL 461 PSI

TORQUE 15311 IN/LBS

TM VOLTS 0 MV

TQ METER 0

00:25:41

START STOP

RATE

GI

FI

40%

75%

MCP

INT

MAX

Fuel Type JET A

33.5

PT VIB

0.000.501.001.502.00

0.76

Pnt Fnt Pnt Spc Pnt Acc Pnt Vlb

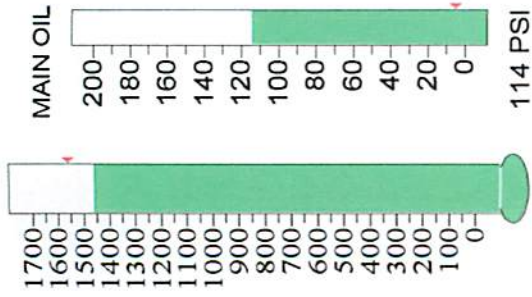
1

2

3

4

MGT



N1 101 % RPM 8:57:22

N2 98 % RPM

6/26/2012

COMP 3831 HP

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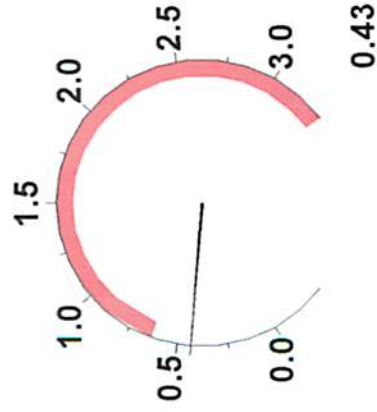
ENGINE SER # LE-791117C

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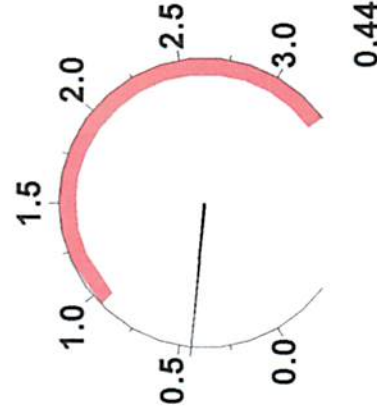
INLET

VIB CH1



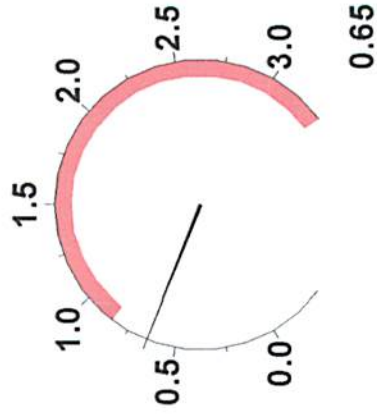
AXIAL

VIB CH2

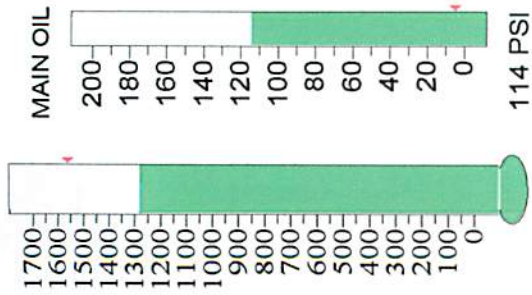


PT

VIB CH3



MGT



N1 96 % RPM 8:56:28

N2 95 % RPM

COMP 2800 HP

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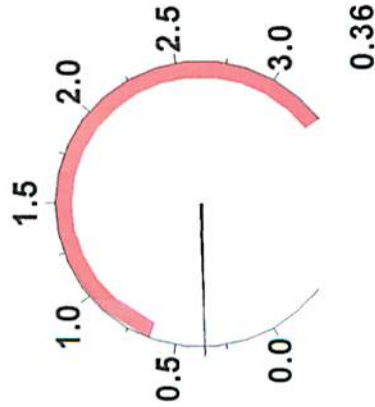
ENGINE SER # LE-791117C

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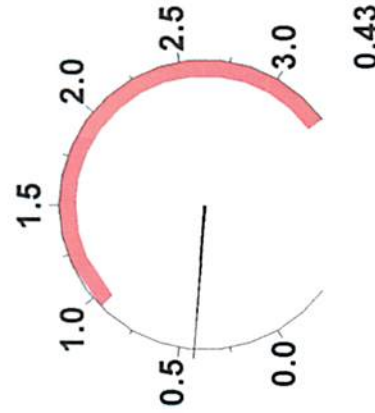
INLET

VIB CH1



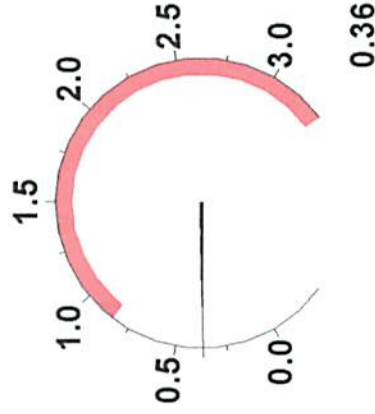
AXIAL

VIB CH2



PT

VIB CH3



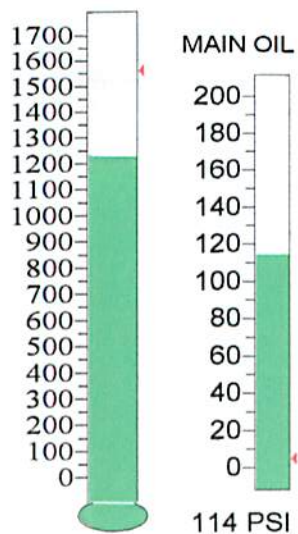
1

2

3

4

MGT



1228 °F

N1 93 % RPM

8:55:23

6/26/2012

N2 102 % RPM

COMP 2394 HP

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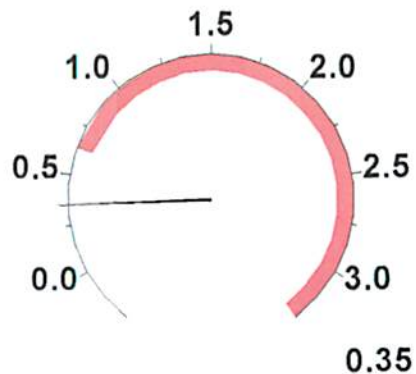
ENGINE SER # LE-791117C

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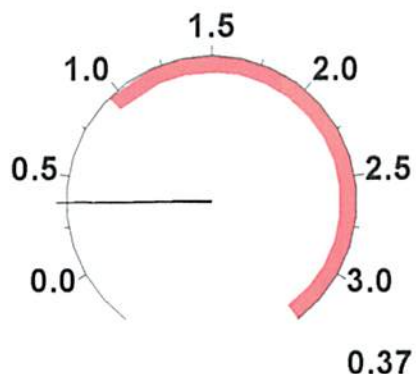
INLET

VIB CH1



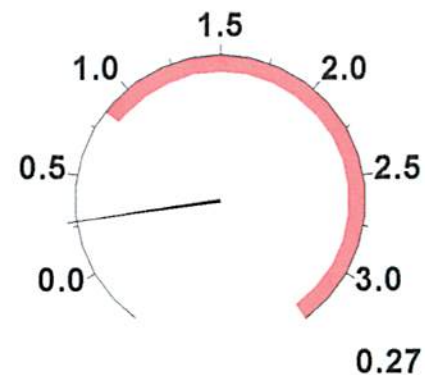
AXIAL

VIB CH2



PT

VIB CH3



1	2	3	4
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