Celier Xenon

```
Any updates or information welcome to gjd16175@yahoo.co.uk
- additional input from Steve May(SJM) bea_steve@hotmail.com
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PRODUCTION HISTORY

SJM - CA Construction number methodology

```
Prefix — this is MONTH of build CAA - January CAB - February CAC - March CAD- April CAE - May CAF - June CAG - July CAH - August CAI - September CAJ October CAK November CAL - December
```

Followed by three-digit numeric production build number

```
Followd by YEAR of build code,
69 - 2005
70 - 2006
71 - 2007
72 - 2008
73 - 2009
74 - 2010
75 - 2011
76 - 2012
77 - 2013
```

Around about machine #180 this was dropped to show the simple year (i.e. after big split between Celier and Trendak)

```
Finally ENGINE suffix

R - Rotax 912 ULS

S - Rotax 912 with bolted on turbo unit (non Rotax turbo)

T - Rotax 914 (ie Rotax turbo)

Y - Yamaha engine

Also

XL signifying Xenon XL - the three seater
```

AB600170 ZU-EHT REG 18-08-06

RT REG TO RED

AB 00200669X 40-GM AEROLIGHT 1ST

PRODUCTION A/C ON DISPLAY IN ALAT MUSEUM

DAX

NOTED 21-08-12

SJM – note first Celier Aviation example (built in Poland) believed to be c/n 016 (ie ABS believed to have built first 15 examples with a Hirth engine in France before Mr Celier moved on to Poland)

CAK 01770R (ie machine #017)

EI-DUW REG 18-01-07

REG TO

CX 02-11-07 ON SALE

F- ?

SJM #017 became 30-PU in France

CAC 02071R (ie #020) LN-YUF R REG 2007

REG TO

FLYBOAT ANS OF FJELLSTRAND PHOTO STANDARD

+ ON FLOATS

WHITE

CAB 02171S N117DE REG 09-04-07

912 REG 21-02-08

REG TO

CENTRAL ILLINOIS

GYRO LLC

OF SHERMAN.IL

JOHN SALZ

SANGAMON COUNTY.IL

WAS BLACK

THEN TO YELLOW

SJM #023 to Australia

CAG 02471S N912XE REG 18-07-07 1-RST REG 05-05-10 REG TO

PETER L DESSART OF ALAMEDA.CA OAKLAND

TO SIOUX FALLS.SD

RED

SJM #025 to Australia

CAL 02671S N279DE REG 31-08-07 REG 16-10-08

REG TO

R D BURTON LLC OF GREEN COVE SPRINGS.FL

RED

CAI 02771S N112ET REG 11-10-07 RST

REG TO

EDDIE M TRUE OF YELM.WA

WESTERN AIRPARK

RED

CAI 02871S N402ED REG 28-09-07

RST **REG TO**

> EAGLE FLIGHT INC OF WILMINGTON.DE

EDWARD DANIEL SKYRANCH AIRPARK,

BAKER.FL EXP 31-01-20

CAI 02971S 912ST	ZU-EWY	REG 20-05-08 REG TO YELLOW
CAI 03070T 914 TURBO	ZU-EXU	REG 14-05-08 REG TO DR ALAN GUEST JACK TAYLOR AIRPORT KRUGERSDORP.RSA SILVER ACCIDENT W/O 31-03-11
CAI03171S	78ZO	(F-JXPN) REG TO PH BLOIS 30-08-08 PH 07-2012 RED WAS YELLOW orv/v ?
CAL 03571S	OK-NWA 02	REG 2008 REG TO SILVER THEN TO BLUE BY 2015
CAI 03671R	D-MXEN(2)	REG 06-05-09 CofR# 61208-001 RED
CAK 03771S 912RST	N941MC	REG 09-01-08 REG 31-07-08 REG TO LITTLE NELLIE LLC OF DESTIN.FL WAYNE CHERNICKY YELLOW

CAK 03871T 914RT N915DM

REG 20-11-07 REG TO MODERN AIR LLC OF SOMERSET.KY DAVID MORRIS BLUE CofA XP SALE REPORTED 20-05-13

CAK 03971S

N4462J

REG 03-01-08
REG TO
SRJ AVIATION LLC
OF CHARLOTTE.NC
ACCIDENT 25-09-09
RAVEN'S RUN AIRPORT
MOUNT PLEASANT.SC
FORCE LANDED IN A
LAKE
NTSB REP

REG 11-08-11

IN FOLDER

TO DOUGLAS E SMITH OF TROTWOOD.OH

WHITE

CX 21-05-15

CAK 04071R

N719MB

REG 18-12-07 REG 26-02-10 REG TO

WESTERN CENTURION

LLC

OF BEAVERTON.OR

MARK SHOOK

MEADOW LAKE.CO

YELLOW

ACCIDENT 05-10-14

LOMA,CO

SJM N719MB - this was a fatal accident; I think I once saw a photo of the wreck with a salvage company for parts/scrap

CAK 04171S N102TG RST

REG 03-12-07

REG TO

THOMAS G MARTINO OF FRANKTOWN.CO FRONT RANGE AIRPORT

WATKINS.CO

REG 28-01-11

REG TO

JAMES R COOPER

OF ALBUQUERQUE.NM

RED

ACCIDENT -08-2011

CX 01-10-18

RESTORED 13-02-20

SJM I know #042 is blue and is a Turbo but no further info

CAB 04372R SE-VJL

REG 01-07-08

REG TO

RED

CAB04472S

I -

SJM 044 became I-9311

GUNTER MUND SANTIAGO.CHILE

RED

FATAL ACCIDENT

27-03-11 NR MELIPILLA

CHILE

ACC REPORT IN FILES

SJM#047 believed to Guatemala

CAC 04872R D-MRXL RES 21-02-08 REG 13-08-08

CofR# 61208-012

3FEDC6

CX 18-07-14 TO DULV

OLIVE GREEN

CAC 04972T LN-YUM REG 02-07-08

914 TURBO **REG TO**

RAVNASTUA FJELLSTUE

OF KARASJOK **OLIVE GREEN**

CAC 05072R OH-G001 REG 16-04-08

912S **REG TO**

YELLOW

CAC 05172S D-MDWR RES 18-11-09

REG

CofR#61208-

CAD 05272S LN-YUN REG 02-07-08

REG TO

R

FLYBOAT ANS OF VINTERBRO

GREEN

SJM - #053 to Germany but I have no further info

REG TO RED

WITH FLAMES DECALS
+ HAVANA CLUB TITLES

CAD	05572S
2RST	•

OK-NWA 05

REG 2008 REG TO YELLOW

CX

OK-PWA 10

REG 2011 REG TO YELLOW CX

LY-BBH

REG REG TO

STILL SHOWN IN

REGISTER LATE 2016 BUT 'TSPPP' XP -02-2016

KNOWN EXPORTED

CX

77BNS

REG REG TO CX

SP-XBAB

REG 07-08-18 CofR# 1093 REG TO

Babska Auto Szkoła

Góra Beata

CAE05672S RST SP-XENV

REG 13-09-13 CofR# 0782 REG TO

CAE 05872R 2 RST SP-XENI

2010 BUILD CofR# 0644 REG 2011

REG TO

K.REH (GERMANY) BASED IN GERMANY

ACCIDENT 20-06-11 KANIOW

U/C LEG BROKE ON

LANDING REBUILT

CX 15-05-13 EXPORTED

28-AQJ 28-AQG?

REG REG TO

NOTED ST.CYR 16-06-13

REP BASED

SJM - 058 believed ex D-M.... before SP-XENI

CAF 05972R

D-MFAL

DULV

REG 13-08-08 REG TO

YELLOW CX 13-05-16

D-MDWR

REG (05-2016)

CofR#61208-020

SJM - My own notes are unclear regarding MFAL and MDWR (is this 051 or 059) "MFAL" also associated with #075 as a "fake" registration, apparently confiscated by the Police at one point.......confusion

CAF06072R

LN-YUJ

PERMIT ISSUED 02-09-11

TO K.EINARSEN OF SKJERVOY

REG REG TO

SJM #061 is silver, to Germany - no further info

CAI 06272R

OH-G003

REG 18-03-09

2

REG TO YELLOW

CAI 06372S

51SB

(F-JWQO)

REG

REG TO

CAI 06472 D-MFCG RES 24-11-08

REG 14-01-10 CofR# 61208-007 BLACK

CAL 06572R OH-G004 REG 30-12-08 912S REG TO

RED

CAA06672S 53WR F-JXMX

REG REG TO

PH BLOIS 2009

GREEN

CAK 06672R D-MLKV REG 04-12-08

CofR# 61208-013 CX 31-10-16 YELLOW

SJM - this is CAK 067 72R - believed to have had previous D-M.... too

SJM - #068 is red, to Germany no further info

CAA 06973Y LN-YUU REG 15-04-10

2Y REG TO

AXEL KNUT UGLAND

OF GRIMSTAD

GREEN

YAMAHA ENGINE

CAA 07073S 51SA (F-JWQM)

REG REG TO RED CAA 07173S 912 SUPER TURBO SP-XENA

REG

CofR# 0516 REG TO R.OWEDYK (ZLOTORIA) PH MLP 28-06-09

RED

NOTED TORUN 17-07-13

+ 17 - 06 - 16

SJM - SP-XENA gifted to Krakow Museum in 2017

CAB 07273S 2RST ZU-RDV

REG 26-02-09

REG TO

JOHAN STEMMET TEDDERFIELD,

JOHANESBURG.RSA

SILVER

CX 26-04-12

V5-UMO

REG 04-2012

REG TO

DBR IN F/L 22-10-14

NEAR EROS

CAB 07373R

D-MFWT

REG REG TO

HITE

ACCIDENT 31-07-10

FREIBURG

BFU REP # RX004-10

CAC 07573R

D-MFAL?

REG REG TO YELLOW

SJM – I've got #075 as D-MFAL(2) registerd on 16.7.09 – later seized by Police in 2013 when marked up falsely as "D-MXEN" with Border Police titles. That's the theory – no idea what became of it.

CAD 07873S

LN-YUO

REG 28-05-09

REG TO

OLIVE GREEN

CAD 07973R	D-MOFS	REG 19-06-09 CofR# 61208-002 RED NOTED WARSTEIN- MONTGOLFIADE 08-09-12
CAE 08073R	D-MDSK(2) SP-XENW	REG 2009 REG TO CX REG 30-11-15 CofR # 0903 REG TO ADRAM Sp.z.o.o.
CAE 08173R 2RSTECO XL	SP-XENF(1) LN-YUE(2)	REG REG TO WHITE WITH 'POLICE' TITLES PH ECHR 27-06-10 USED TO TEST NEW KASPAR VP PROP 05-2011 CX 23-05-11 PERMIT 16-09-10 TO FLYBOAT ANS (VINTERBRO) CX ?
CAF 08273R	D-MEDX	REG 31-07-09 CofR# 61208-004 PHOTO EDLD 14-11-09 OLIVE GREEN
CAF 08273R	D-MPJF	RES 21-07-09 REG 19-10-09 CofR# 61208-006 NOTED WARSTEIN- MONTGOLFIADE 08-09-12 RED

CAF08473S

51-SP

F-JRAS

2 R

REG REG TO RED

BASED IN THE NETHERLANDS VLIEGSCHOOL

RoAir

CAF13C3D03AA008L

JU-9009 REG REG TO

NOTED -02-2017 AT A

STRIP 40Km

EAST OF ULAN BATOR

SJM - #085 to Turkey

CAG 08673S 2RST SP-XENB

REG 02-08-10 CofR# 0620 REG TO

M.ODOJEWSKI

c 2009

SJM - #087 to Germany

SJM - #088 to Germany

CAH 08973S

ZU-RDY

REG 19-08-09

2RST

REG TO WHITE

SJM #090 - XL model, last seen in Singapore 2011

CAH 09173R	D-MDAC	DULV REG 19-10-09 CX 06-05-14 REG (-05-2014) CofR# 61208-017 3FF0C4 SILVER
CAJ01670R	SP-XMMH	2008 BUILD REG 12-02-20 REG TO
CAJ 09373S 2RST	G5112	DELIVERED 2009 REG 03-2011 REG TO IAN CARTER OF QUIRINDI.NSW SILVER
CAJ 09473S 2RST	ZU-RJM V5-	REG 04-12-09 REG TO CX?
SJM - #094 to V5-UCI	P	
CAJ 09573S 2RST	G5113	DELIVERED 2009 REG 03-2011 REG TO WHITE
CAL 09673T 2RT	SE-VNN	REG 08-09-10 REG TO SILVER
CAL 09773R	D-MBLK	RES 11-11-09 REG 28-06-10 CofR# 61208-008

RED

CAL 09973R D-MSXT RES 20-04-10

REG 28-06-10 CofR# 61208-009

YELLOW (CARBON BODY)

CAL 10073S SP-XENC REG 29-04-10 2RST CofR# 0592

CofR# 0592 REG TO CELIER

AVIATION c 2010

SILVER

'KRATKI.PL' TITLES PH EPGO 12-06-10 PH EPDE 19-06-10

SJM #101 to France

CAL 10273R D-MKGG RES 23-03-10

REG 01-07-10 CofR# 61208-010 REP BASED

REP BASED

LUTZELLINDEN CX 20-02-15 TO DULV

SJM #102 re-reg as D-MDXL

CAA 10374R G5114 DELIVERED 2010

REG TO

BASED NSW YELLOW

CAB 10474R SP-XENE REG XENON 2 CofR#?

REG TO

NOTED MEINERZHAGEN (D) 07-08-11 + 24-11-11

BLACK

CAL 10574 XL D-MBKY

REG 06-07-10 CofR# 61208-011

REP BASED

DAHLEMER BINZ

NORDRHEIN-WESFALEN

DARK BLUE

CAC 10674S

77-BDJ

REG REG TO

CAD10874S

D-MYOU

RES 07-06-10

61208-

POSS NTU?

OK-PWA 02

REG 2011 REG TO

? SP-PWA 02 ? NOTED

PIOTRKOW

TRYBUNALSKI 15-07-13

SJM #107 to France

CAEW10974S 2RST ECO OM-M326

REG

REG TO

REP BASE NOVE ZAMKY

BLUE SILVER

SJM #109 CAE 109 74S ie no "W"

CAF 11274S RST SP-XENG

REG 06-07-10 CofR# 0614

REG TO

M.SMOLARSKI

WHITE

CA_ 113774 2RST OM - M980(1)

REG 2010 REG TO HAS WORN "SECURITY" TITLES ORANGE

PHOTO GYURO 30-04-11 NOTED BUDAORS (HA)

31-07-15

SJM c/n prefix CAF

CAF 11474S 2RST SP-XENR

REG 10-08-11 CofR# 0686 REG TO

CELIER ARTUR

TRENDAK

OF JAKTOROW-KOLONIA

GREY

SJM #115 to France

CAG 11674S RST HJ-378

COLUMBIA REG 2011 REG TO

OLIVE GREEN

DEMO TO COLUMBIAN

ARMY

CAH11774T XENON 2 914ECO? LN-YUY

REG TO

CAH 11874S 2RST ZU-RGB

REG 21-09-10

REG TO BRONZE

CAH 11974S 2RST	ZU-RGA	REG 21-09-10 REG TO STULELA LANDGOED CC YELLOW ACCIDENT ON TAKE OFF LIESDL FARM, FREE STATE 21-12-10 'The gyro suffered a loss of power during takeoff, it then started to descend, hit a heap of soil and flipped over during the emergency landing.' REP FOR SALE 12-2011
CAH 12074S 2RST	SP-XEND	REG 03-08-10 CofR# 0631 REG TO LEASINGOWY SA OF WROCLAW NOTED ELBLAG 18-07-13
CAI 12174S	F-JSGQ	?
CA _ 12474S 2RST	ZU-RGK	REG 07-03-11 REG TO 2010 BUILD GREEN DELIVERED -03-2011
CAJ 12574S 2RST	ZU-RGE	REG 24-11-10 REG TO
CAJ12674S XL	OM-M667	REG REG TO CX
	5B-HBT	REG 24-05-21 REG TO E.ASHCROFT
SJM #127 to Russia		
CAL 12874S 2RST	ZU-RGH	DELIVERED 02-2011 REG 21-02-11

REG TO ORANGE

DELIVERED 08-02-11

2RST	SP-AENWI	REG c 2011 CofR# 0646 REG TO G.R.H.STOKLOSA (KACZORY) RED
CAC13475S	77-BFW	REG REG TO
CAL 13574S 2RST	SP-XENF(2)	REG c 2011 REG TO CELIER AVIATION CX 11-10-11
	02-AFC	F-JTFQ
CAC 13775S RST	SP-XENN	F/F 06-02-11 REG 13-06-11 CofR# 0676 REG TO ZAKLAD NAPRAWY SPRZETU POZARNICZEGO (NIEBOROW) DELIVERED 06-2011 GREY
CAD13875T 2RT	SE-VNZ	RES 02-05-11 FOR PETRELIUS PRODUKTION (STOCKHOLM)

SP-XENM

CAK 13074S

REG 24-08-11

REG TO YELLOW

DELIVERED -08-2011

CX 05-01-17

SP-XEPZ REG 24-01-17

CofR# 0974 REG TO

GRAND Sp.z.o.o.

CAF13975S 2RST SP-XENO

REG 10-06-11

CofR# 0675

REG TO CELIER

AVIATION

OF JAKTOROW-KOLONIA

F/F 30-06-11

WHITE

TEST FLOWN 06-2011

REP FOR UKRAINE GREY C/S BY 2012

NOTED OSTROW WIELKOPOLSKI-

MICHALKOW 29-08-15

CAF 14075S 2RST SP-XENS

REG 25-08-11

CofR# 0689

REG TO

CELIER ARTUR

TRENDAK

OF JAKTOROW-KOLONIA

NEW 10-2011

WHITE

CAI 14375S 2RST	UR-BOSS	REG 17-01-12 REG TO
CAJ 14475R	D-MWIH	RES 10-10-11 REG 14-05-12 CofR# 61208-014 3FF230
SJM #146 to Turkey		
CAA 14776S 2RST	SP-XESP REI	REG 29-05-12 CofR# 0707 REG TO OCHOTNICZA STRAZ POZARNA (BARANOW)
CAA 15076S 912S	OH-G014	REG 29-03-12 REG TO S.MOILANEN OF OULU WHITE
CAA 15176S 912S	OH-G015	REG 29-03-12 REG TO ICEBOYS OY OF KAJAANI SILVER
CAB 15276S 2RST	SP-XENT	REG 2012 CofR# 717 REG TO AVIATION ARTUR TRENDAK (MICAHLOWICE)
CAB15376S	SP-XESA	REG 25-10-12

2RST ZEN-1 CofR# 0739 REG TO

CAC15676S G-3 LN-YUG(2)

PERMIT 14-05-12

REG TO

AXEL KNUT UGLAND

OF GRIMSTAD

CAD16276S ZEN-1 OM-M353

REG

REG TO

NOTED ROADED INTO LEICESTER 15-11-13 LEICESTER 18-11-13

NOTED

BIRMINGHAM NEC 30-11/01-12-2013

AFTER SHOW OFFERED

ON EBAY FOR £130K BY
MICHAEL HOLDORN
WITH 95 HRS FLOWN AS

DEMO LIST ENDED 06-01-14 NO APPARENT

BUYERS

PU-EKL

REG -07-2017

REG TO

EDUARDO SOLANO

FERNANDEZ

CAE16376S 1 RST ZU-RBI

REG

REG TO CX 18-01-22 CX TO V5CAF16676S UNMARKED ZEN-1 CON # CHECKED NOTED ST.CYR 16-06-13 CAF16776S SP-XEKY REG 25-10-12 ZEN-1RST CofR# 0740 **REG TO** NOTED KETRZYN-WILAMOWO 15-03-15 SJM #168 - believed to China CAH17076S HA-GYD REG 12-06-13 ZEN-1 REG TO ONE-TWO FLY KfT NOTED **FERTOSZENTMIKLOS** -MIEDL 01-08-15 CAJ17176S ZU-RLZ REG 18-01-13 1RST **REG TO STULELA** LANDGOED CC CAC17577R OK-SWA 12 REG ZEN-1 **REG TO** NOTED JIHLAVA 21-09-13 SJM #176 to USA CAK1770R? F-REG XENON R **REG TO**

CAD17777S UP-LA201 REG ZEN-1 REG TO

SJM - not sure bit missing one digit in c/n

CofA EXPIRED

CAEXKF SP-XGOR

01972RLJXC8 REG 10-08-16

XENON 4 EXECUTIVE REG TO

JDP 01 ZU-RDC REG 11-12-08

RT REG TO

WHITE/RED REG

NZX01 (ZK-)ZMY REG 29-01-08

REG TO

JOHN ROCHFORT

RED

NZX02 ZK-XJE REG 29-01-08

REG TO

CX 03-02-22

AS DESTROYED

NZX03 (ZK-)XEN REG 29-01-08

914 TURBO REG TO

SILVER/RED REG

DITCHED IN TAURANGA

HARBOUR 24-10-12

CX 14-06-13 AS DESTROYED

ACCIDENT 28-06-08 PH PAHRUMP 28-06-08 AFTER ACCIDENT (NOTES IN ACCIDENT FILE)

CX 02-08-10

YELLOW

NO PREFIX LETTERS ETC

A10-TTI

A10-KRO DELIVERED -09-2011

G-3 REG TO BLACK

> BELIEVED BASED IN ROMANIA

REG TO BLUE

BELIEVED BASED

IN ROMANIA

REG TO A11-DUN

BELIEVED BASED

IN ROMANIA

FATAL ACCIDENT

-09-2015

A11XEN **REG TO** 2

SILVER

BELIEVED BASED IN HUNGARY

A22-XEN **REG TO**

RED

BELIEVED BASED

IN HUNGARY

A23-ODM **REG TO**

GREEN

REG TO A24XEN

2RSTBASED IN POLAND

PH ZAR.POLAND

SILVER

CAG12ZIB02AA001L 57-BJA

F- REG

REG TO

BADLY DAMAGED AFTER

ROLLING OVER ON T/O
AT TRIER AIRFIELD,

GERMANY 25-02-14

REP RECOVERED BY 2017

CAG12Z1B01AA002L D-MHFX RES 04-07-13

REG 12-09-13 CofR# 61208-016

CAG12Z1B02AA00046 D-MANL RES02-04-12

REG 03-07-13 CofR# 61208-015

3FF2AB

CAE13C3DO4A006L UNMARKED NOTED AERO

FRIEDRICHSHAFEN
HALL B4 24-04-13

CAJ13MB07AA007L N914VX REG 20-02-14

CELIER XENON IV REG TO

CAJ14M3F11AA016L D-MDXE REG 26-06-15

CofR# 61208-018

3FF3F0

CX 04-12-15 TO DULV

CAJ14M3B13AA017L N271PA REG

XENON 4 REG TO

CAE14M3E09AA018L C-FIXQ DELIVERED 2015

XENON 4 REG 07-05-15

REG TO

TEETER BOLT AVIATION

CANADA INC

OF GEORGETOWN.ON

CAM14M3E14AA021L SP-XNON XENON 4GEO

(2016 BUILD) REG 28-06-16 CofR #0939

REG TO

CELIER AVIATION EUROPE Sp.z.o.o.

CAM14M3E02AA022L N803KT XENON 4

REG

REG TO

CAM14M2E02AA023L N912XV XENON 4 GEO

2015 BUILD

BUILDER: D.LOOMIS

REG 02-02-16

REG TO

CERT XP 28-02-19

CX 11-07-19

SP-XMAG REG 03-06-19

CofR # 1405

REG TO

SP-XALA REG 03-06-19 CofR# 1405 REG TO

Date: 17-APR-2017

Time: 13:41



Type: <u>Celier Xenon 4</u>

Owner/operator: Private Registration: N912XV

C/n / msn: CAM14M2E02AA023
Fatalities: Fatalities: 0 / Occupants: 2

Other fatalities: 0

Aircraft damage: Substantial Category: Accident

Location: Marion County, Knoxville, IA - United States of America

Phase: Take off Nature: Private

Departure airport: Knoxville, IA (OXV)
Destination airport: Knoxville, IA (OXV)

Investigating agency: NTSB

Narrative:

The sport pilot reported that the takeoff in the experimental, amateur-built gyroplane was normal; however, while continuing to climb through 500 ft above ground level, the aircraft stopped climbing and started to descend. The pilot-rated passenger reported hearing a decrease in engine power, but the engine continued to operate. The pilot started to turn back to the airport, then chose to land in a field. He saw a powerline and he turned sharply; the gyroplane hit the powerline then fell and impacted the side of a ditch.

The gyroplane kit manufacturer installed a turbocharged, 135-hp Rotax 912 ULST that was modified from the 100-hp Rotax 912 ULS engine. During a postaccident examination, the engine started without hesitation and was run at idle power, but only for a brief time, since the propeller was broken.

The brother of the accident pilot, who was a co-owner of the aircraft, reported that the engine had a history of not developing full power. He stated that the engine would develop about 3,500 rpm instead of developing full power at 5,200 to 5,300 rpm. On numerous occasions, he adjusted the manifold pressure probe by trial and error to get the engine to develop full power. The engine would operate properly, then the problem would reoccur, and he would repeat the process. The gyroplane had operated successfully for 7.9 hours since the last time the engine had not produced full power until the time of the accident. The owners reported that they did not understand the

operation of the turbocharged engine or its associated components, and that the kit manufacturer did not provide operating manuals that explained the operation of the gyroplane or its turbocharged engine.

Probable Cause: A partial loss of engine power for reasons that could not be determined based on the available information. Contributing to the accident was the failure of the owners to obtain proper materials regarding the operation and maintenance of the engine.

Sources:

NTSB: https://www.ntsb.gov/_layouts/ntsb.aviation/brief.aspx?ev_id=20170418X92855&key=1 FAA register: https://registry.faa.gov/aircraftinquiry/NNum_Results.aspx?NNumbertxt=912XV

 $\underline{\text{https://www.google.com/maps/@?dg=dbrw\&newdg=1/Knoxville+Municipal+Airport,}} + 1545 + IA - 14, + Knoxville, + IA + 50138/@41.2932916, -$

<u>93.1089079,17z/data=</u>!4m2!3m1!1s0x87eed594b5a4eb35:0x18e41682758d5c77?hl=en-us Accident investigation:



Investigating agency: NTSB

Status: Investigation completed
Duration: 1 year and 6 months

CAJ14M3E12AA0192

D-MCGE RES 22-07-15

CAD15M3E18AA025L XENON 4

FA11517181900001

N818CL

REG 28-12-15

SP-XFRU 2018 BUILD

REG 22-10-18 CofR# 1119 REG TO PRIVATE

20/02/08/WP/111 SP-XENL 2008 BUILD

REG 15-07-09 CofR# 0548 **REG TO** XENON XL

3 SEAT PROTOTYPE EXTRA REAR CABIN

WINDOWS **OLIVE GREEN**

PH? TRADE SHOW

T&S PRODUCTION

SJM #189 to South Africa

T&SD19514S OK-TWA 37

REG **REG TO**

ZEN 1

NOTED ZABREH 14-07-15

SJM #197 to USA SJM #212 to France

SJM #221 prototype Taifun

T&SE207158 SP-XPMZ

REG 04-11-19

REG TO

T&SE22716S ZEN 1	OM-M454	REG REG TO NOTED POPHAM WMPC -08-2016
T&SE22716T ZEN 1	Cofl	2018 BUILD REG 08-08-18 R # 1094 REG TO Gospodarstwo odnicze Jerzy Wilczewski
T&SE30319 RSTi	SP-XKUN	REG 25-11-20 REG TO
T&SG21715S ZEN 1	OM-M393	REG REG TO NOTED POPHAM WMPC -08-2016
T&SG29617S ZEN 1	SP-XARI	REG 08-01-20 REG TO
T&SG30220 ZEN 1 RST	SP-XARA	REG 07-06-21 REG TO
T&SJ21815S ZEN 1	OM-M434	REG REG TO NOTED POPHAM WMPC -08-2016 CX
	SP-XKUD	REG 01-12-20 REG TO
T&SK28417S ZEN 1	SP-XZEN	REG 28-06-18 CofR # 1081 REG TO AVIATION ARTUR TRENDAK
T&SL18413S ZEN 1	UP-LA206	REG REG TO

FLY AIR ASIA LLP

T&SL18513S ZEN 1	UP-LA213	REG REG TO FLY AIR ASIA LLP
T&SL18613S ZEN 1	UP-LA217	REG REG TO FLY AIR ASIA LLP
T&SL18713S ZEN 1	UP-LA218	REG REG TO FLY AIR ASIA LLP
T&SL18813S ZEN 1	UP-LA211	REG REG TO FLY AIR ASIA LLP
T&SL18913S 1 RST	ZU-RKU	REG REG TO
T&SL 29819S	SP-XMAX	REG 30-06-20 REG TO
T&S G2961S 1 RST	EX-77020	REG 22-06-21 REG TO K.I.SARKEBAEV

$SJM-Trendak\ production\ now\ up\ to\ around\ c/n\ T&S\ A\ 299\ 20S,$ ie machine #299

B- XENON IV on IV - orange - delivered 8.14

?

?? - Xenon IV XL - white - delivered 2.15

?? - Xenon IV - yellow - displayed Zhuhai show 11.16

PRES LBG MUSEUM (ARRIVED 17-11-09)
RED

ALNON KSI NOTED	F-JXHU	XENON	RST	NOTED
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GRANVILLE -07-2015 + -08-2016

02ADN

27AAF F-JYJC PHOTO EXISTS

27VJ

30PU PHOTO EXISTS

WHITE

30VN F-JATU

31-HD

31LI NOTED MURET L'HERM

JUNE 2012 + PHOTO

31PC

310A

31OV SILVER

31-PC

31-PY SILVER

34-ACI 912RST

49-XO F-JUOD LIGHT GREEN

51-AP F

51-BS F

51-TK F-JWMI

51-VY F

51-WK F RED

53-VV F- BASED COURSEUILLES-S-MER

54-AMX	F-JSDC	YELLOW
76-ACO	F	
76-MZ	F-JPNK	RED/YELLOW (TOYOTA ECOYTA) ENGINE
80-WZ	F	PH NO VISIBLE MARKS YELLOW (EARLY ABS AEROLIGHT XENON)
83-SS	F	YELLOW (EARLY ABS AEROLIGHT XENON)
84-GK	F	ABS AEROLIGHT YELLOW PH 2005 NEVERS.FRANCE (EARLY ABS AEROLIGHT XENON)
88-NJ	F	
95-XW	F-JIPC	PH LFPA 19-09-10 RED
NC165 ??	F- ?	
B-		RED ZEN1 DELIVERED DELIVERED SUMMER 2012
В-		ORANGE XENON IV DELIVERED -08-2014
В-		WHITE XENON IV XL DELIVERED -02-2015

YELLOW XENON IV DISPLAYED ZHUHAI -11-2016

D-M	CofR#	61208-003

D-M CofR# 61208-005

D-MXIV J.13.3.006 XENON 4

SJM-D-MXIV is a problem - Celeir test registion (ie $XIV-Xenon\ IV$) seen used on several different machines

D-MCXL J.14.5.013 XENON 4XL

D-MDFS		D		
D-MDFT		D		
D-MEDY		D	GREEN	
D-MERY		D	YELLOW	
D-MFEZ	?	D	NOTED FREISTADT.OE	
D-MGDE		D	09-09-13	
D-MGXR XENON 2		D	NOTED FRIEDRICHSCHAFEN SHOW 18-04-12 CA. 14475R? D-MWIH?	
D-MHDF		D	WHITE (HESSEN)	
D-MKHD		D		
D-MLIX(1)		D	YELLOW NOW CX AS D-MLIX(2) ALLOCATED	
D-MNHD		D	RED	
D-MTNR		D	WHITE	

D-MTSR XENON 2	D	SILVER
D-MTWR	D	YELLOW
D-MUUD XENON 2	D	OLIVE GREEN PH PEENEMUNDE -04-2011
D-MUUT(1)	D	REG CX 2009 YELLOW
D-MUUT(2)	D	REG OLIVE GREEN
I-9290	I	DISPLAYED AT PARIS SHOW LBG 200? FITTED WITH FLIR ? UNIT
		WHITE
I-9311	I	
I-A051	I	BASED AT LAMIA. GREECE WHITE/ORANGE/BLUE
OH-G005	ОН	
OH-G006	ОН	
OH-G007	ОН	
OK-PWA 02		
OK-PWA 06		REG 2011
OK-TWD 01		TRENDAK ZEN-1 DELIVERED 2015

BROWN

BASED POLAND

W/O POLAND -09-2018

OK-VWA 44

XENON 2

REG 2016

NOTED 02-09-19

AT MLADA BOLESLAV

OK-WWD 03

XENON

REG 2017

OK-WWD 04 ?

XENON 4

OK-WWD 44

XENON 4 (BASED POLAND)

OM-M026

ZEN 1

BASED BIDOVCE

OM-M032

OM

OM

REP BASE NOVE ZAMKY

OM-M066?

ZEN 1

OM - M383(1)

ZEN 1

OM-M709 ?

OM

OM

OM-M960?

OM

RA-0712A

RA

REG 09-01-19

RA-1555G

RA

DISPLAYED MAKS 2011

GREY

SP-XEAT

ZEN 2

XL

11808262725 ? NOTED LKHK

SHOW -05-2013

SP-XENK 2RST	SP	REG REG TO CX 15-05-13
SP-XENP G3	SP	REG REP OPERATING IN RUSSIA SUMMER 2011 TO RA-1585G qv POSS? RA-1585G LAYED MAKS 2011 BLACK CAC 13675S ?
RA-1685G	RA	CON # ?
TC-UPF 2RST	TC	REG c 2009 WHITE
TC-UZZ G-3	TC	ZEN1G3 REG 2012 REG TO A.BAKIR METALLIC PINK
TG-	TG	
UR-GOLD	UR	ZEN1 G3 YELOW

G5117

DELIVERED 2011 REG TO

WHITE

PHOTO QUEENSLAND

G5118 DELIVERED LATE 2011

> REG TO WHITE

G5119 **DELIVERED 2012**

G3/ZEN1 **REG TO**

SILVER

WESTERN AUSTRALIA

G5120 **DELIVERED 2012**

G3/ZEN1 REG TO SILVER

NEW SOUTH WALES

RA-1957G RA-ZEN1

WCAA01 J.13.3.005

XENON 4 SPORT NOTED FDH 10-04-14

DELIVERED 2009 XT-MFA

2RST ECO **REG TO** GREY

XT-MFB **DELIVERED 2009**

2RST ECO **REG TO** GREY

YR-5213 CELIER ZEN 1?

TRENDAK ZEN 1 YR-5295

HJ-378 ΥV CAG 11674S??

T&S L189135 ZU-RKU ZUTRENDAK ZEN-1 RST REG 04-02-14

REG TO ALTAIR AVIATION P/L

ZU-ZBI ZU <u>ZEN1</u>

DELIVERED 08-2012

WHITE C/S

9V NOTED 11-2011

UNMARKED CAE13C3D04 TYPE = 'IV'

AC006L

CELIER XENON 4

SJM - I *think* the "New CA 2012" initially built four Xenon 2 gyros and then onto the Xenon IV, maybe 20 of these before ceased – factual data hard to come by.

CAM14M3E19AA021L D-MCXT BECAME D-MFGP

CAJ14M3E12AA019J SP-XGEO REG 30-12-15

XENON 4GEO CofR# 0909

REG TO

SPECTRA SYSTEM

Sp.z.o.o.

CAC14M3E08AA013L D-MEDR

(MEDEVAC XENON 44)

SJM-I *think* D-MEDR was previously D-MCXT (MCXT has been used on several Xenon 4 as a factory test registration)

> REG 23-12-15 CofR# 61208-019 CX 20-06-17

SJM - "FA" prefix believe built by Fly Argo

FA11517181900002 XENON 4	ES-GXA REG	REG -09-2018 TO FLYBROKERS Sp.z.o.o. (AEROKLUBI ADVENTURES)
FA11517282900006 XENON 4 GEO	SP-XTWO	REG 18-11-19 CofR# 1559 REG TO
FA11515282900010 XENON 4 GEO	SP-XEON	REG 13-08-19 CofR# 1496 REG TO
CAL17276XL ZEN 1	SP-XMIS REG	2013 BUILD REG 20-05-16 CofR #0927 TO PRIVATE
MLAG ?	SP-XENZ	REG 05-02-20 REG TO
MLAG006	SP-XRYB	REG04-11-19 REG TO