contributed by Penny Belworthy

ZK-HHL AS332L1 Super Puma



HELI Harvest's AS332L1 Super Puma was imported from Japan in May and is now undergoing preparations for its airworthiness certificate issue at Eurocopter's Ardmore facility. The helicopter's primary role will be firefighting and external load operations, however its 18-seat passenger cabin offers another dimension to their operations that wasn't available with Heli Harvest's previous Mi-8 aircraft. As the first example of this type to be registered in New Zealand the pathway to first flight involves a significant amount of paperwork and they have not set a target date for this as yet. The Super Puma type was selected because of its EASA Part 29 transport category certification, its proven track record (over 4.4 million fleet hours to date), and based on their 25+ years of experience operating Eurocopter light

The AS332 Super Puma is a fourbladed, twin-engine, medium-size utility helicopter marketed for both civil and military use. Originally designed and built by Aerospatiale, it is an enlarged and reengined version of the original Aerospatiale SA 330 Puma. First flying in 1978, the Super Puma succeeded the SA 330 Puma as the main production model of the type

This helicopter has impressive load carrying and performance figures. The maximum all-up weight is 8,600kgs, maximum cargo-sling load is 4,500kgs and maximum all-up weight in external load configuration is 9,350kgs. Maximum speed, Vne is 150kts, its fast cruise speed at max continuous power is 141kts, rate of climb (85kt, 2 engines at MCP) is 1,618 ft/min and it has a range with standard fuel on board of 841 km.

ZK-RFB Rans S-7S Courier



RODNEY Bamford's new smart red and white Rans S7 flew from Taieri airfield recently and at the time of writing was already on 23 hours. The aircraft was built by Craig Miller of Custom Aviation in just 3 months or approx 500 hours and is his fifth S7 aircraft. Craig also flew off the 10 hours of the test flight period.

The Rans S7 Courier is a high wing, tail dragger in a two seat tandem configuration. It is constructed of fabric covered steel tubing and has a roomy cockpit with a conventional instrument panel and

adjustable seats. RPB is powered with a 100HP ULS Rotax engine with a three blade propeller.

Rodney says he chose the Rans S7 because of its suitability to short strips being able to take off in just 30-35 metres and needing only 100 metres for landing. Flying characteristics have been described as similar to a modern day Piper Cub or bush plane, but with a better climb out.

ZK-FTZ Staaken Flitzer



AFTER 7 years of construction effort, Brian Anderson's open cockpit Staaken Flitzer bi-plane is ready for its first flight. Brian's bi-plane is only the second version of this design in New Zealand, the first being Max Saunder's ZK-FZR which flew in October 2012.

The Flitzer is an all-wood single seat design, using traditional constructional methods. The fuselage is of spruce (primary structure), with various thicknesses of birch plywood skinning, and the wings and tail plane are also of spruce, with some Douglas fir in key areas.

Wings are piano-wire drag-braced internally, and these and the tailplane feature a 1.0 mm plywood 'D' box leading edge. All flying surfaces are Ceconite,

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ARRIVALS - May / June 2013

Staaken Flitzer Z-21a

Schempp-Hirth Ventus-2a

Aerospatiale AS 332 L1

Aerospatiale AS 350B2

cific Aerospace 750XI

Pacific Aerospace 750XL

Cirrus Design SR20

Quicksilver GT500

Cessna 172S

Cessna 172S

Bell 206L-4

Beech B200

Vans RV-8

Vans RV 7A

Tecnam P2008

Tecnam P2008

Cessna 180

Cessna 172A

Cessna 172L

Cessna 150M

Cessna 172M

Piper PA-31-325

Cessna A152

Micro Aviation B22 Bantan

PZL-Swidnik PW-5 "Smyk"

Rolladen-Schneider LS 4-a

Schempp-Hirth Discus b

Schempp-Hirth Discus-2b

Aerospatiale AS 350B2

Eurocopter AS 355 F2

Robinson R22 Beta

Bell (RHH) UH-1H

Robinson R44 II

Robinson R44 II

Bell (HH) UH-1H

Robinson R44 II

Robinson R44 II

Hughes 369E

Continued over page

Canadian Home Rotors Safari

on R22 Beta

Aerospatiale AS 350B2

Robinson R22 Mariner

Bell (Williams) UH-1H

Bell 206B

Bell 206B

Bell 206B

Hughes 369E

TRANSFERS - May / June 2013

Aero Commander 100

De Havilland DH 104 Devon C1

De Havilland DH 82A Tiger Moth Mrs Donnelly

CGW Beech 76

CTS

CTY

CYG FTZ

GBL GVV

HHL

HNE HQE

HQF ITL KCJ

KCK

LDB LDV

LFG MIC

MYM

PDN

RVD

TKB TMA

ZKF ZZB

BEZ

BKV BWN

CTU

DNY

DRJ DXM

EBX ECQ

EHN

GGS GKP

GKX GPV

GSW GZP

HBC HCD

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Mr P D Nunn

Mr P M Whyte

Mr P H Meredit

Aeromotive Limited

Mr D C Jeach

Mr C D Powell

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BRL Leasing Ltd DXM Syndicate

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Mr T M Ford

GKP Syndicate

GPV Syndicate

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Mount Hutt Helicopters 2013 Ltd Auckland City Helicopters Ltd

Alabaster Helicopters Ltd

Silver Fern Helicopters Ltd

Heli Resources (2012) Ltd

Heli Resources (2012) Ltd

Heli Resources (2012) Ltd

Blue Water Helicopters Ltd

Volcanic Air Safaris Limited

Heli Resources (2012) Ltd

Heli Resources (2012) Ltd

Taylor Pass Consulting Limited

Mount View Developments Limited

South Pacific Home Rotors Limited

Rotor Work Limited

GCC Aviation Trust

Heli Max Limited

ADT Trust

Cornwall Farms

Mr M P Brere

Pacific Aerospace Limited

Lite Flight Green NZ Limited Mr I M Coleman

Air2there.com (2008) Limited

Ardmore Aviation Services Ltd

Auckland Aero Club (Inc) Ardn

Motueka Aero Club (Inc)

Premi-Air Aviation Limited

Hawk Enterprises Ltd

Izard Pacific Aviation Ltd



Albany

Hamilton Hamilton

Hamilton

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Tutukaka

Pukekohe

Mahoenui

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Paraparaumu

Napier

Auckland

Papakura

Taupo

Taupo

Christchurch

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Ashburton

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North Shore City

Queenstown

Tolaga Bay

Havelock North

New Plymouth



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Stits, or cotton covered. Brian's aircraft is the Z-21a which means the fuselage is 2 inches wider than the original and he has also opted for the rounded fin instead of the squarer version. For power, Brian has chosen to go with the 2200 Jabiru engine turning a wooden propeller.

Flitzers are nostalgic open cockpit biplanes designed to represent a mythical 1920s German design of the Staaken Aircraft Company of Berlin. In fact the Flitzer was actually designed by the British aviation artist and designer Lynn Williams and the prototype first flew in the early 1990s in the UK.

ZK-TMA, ZK-ZZB, ZK-ZZD Tecnam P2008



THREE brand new Tecnam P2008 aircraft appeared on the register in May and June. TMA becomes Tecnam NZ's new demonstrator aircraft, the previous demonstrator being recently sold. TMA is very highly spec'ed with dual glass screens, auto pilot and night VFR capability.

Registration watchers would be correct in guessing that the other two, ZZB and ZZD are for Izardair at Taupo. Debbie Evans from Izardair says "They were purchased to expand our flight training fleet which currently consists of two late model C172s. The P2008s were chosen for their advanced technology, spacious cabin, reliability and aerodynamic efficiency. With comparatively lower running costs, we can offer a high quality, well priced option for flight training students. Both aircraft are currently being fitted with a mixture of analogue and the latest touch screen GPS instruments. They are expected to be ready for flight training use from early August."

The P2008 wings and stabilator structures are metal, providing an ability to flex in flight for a more comfortable ride. The cabin is carbon fibre, chosen to offer a wide cabin, greater aerodynamic efficiency, and it has to be said, very good looks.

Tecnam Distributor for Australasia, Giovanni Nustrini savs that the P2008 has become the trainer of choice, out-selling all others at this time.

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IWP	Robinson R44 II	Heliflite Pacific Limited	Papakura	Helicopter
JCV	Cessna 182S	Munro Investments Limited	Auckland	Aeroplane
JKP	Aerochute Aerochute Dual Deluxe		Te Puke	Microlight Class 2
JOL	Rans S-6ES Coyote II	Mr B Greenwood	Kaiapoi	Microlight Class 2
JPZ	RANS S4 Coyote	Mr A C Reid	Fairlie	Microlight Class 1
JRU	Avtech Jabiru ST3	Mr K L Holmes	Wakefield	Microlight Class 2
JTC	Piper PA-38-112	Mr A P Gilbert	Palmerston North	Aeroplane
KAA	Titan Tornado II	Mr M Pfahlert	Hokitika	Microlight Class 2
KII	Rans S-12 Airaile	Mr A J Rietveld	Cromwell	Microlight Class 2
LHL	Cessna 425	Heli Resources (2012) Ltd	Rotorua	Aeroplane
LMW		Mr R W Coop	Mahia	Aeroplane
LPA	Alpi Aviation Pioneer 200	Fiordland Aero Club (Inc)	Te Anau	Microlight Class 2
LRV	Vans RV 6A	Heli Resources (2012) Ltd	Rotorua	Amat Built Aeroplane
MAD	Quad City Challenger II	The Mad Syndicate	Franz Josef Glacier	Microlight Class 2
MBY	Thorp S-18T	Mr J P C Land	Kaikohe	Amat Built Aeroplane
MDF	Cessna 152	Taranaki Flight Tech 2008 Limited	New Plymouth	Aeroplane
MDR	Cessna 172N	MDR Aviation Ltd	North Shore City	Aeroplane
MJL	Cessna 208B	Sounds Air Travel and Tourism Ltd	Picton	Aeroplane
MJS	Micro Aviation B22 Bantam	Jaques/Turnbull	Kaiwaka	Microlight Class 2
MOA	Micro Aviation B22 Bantam	Mr P M Holmes	Pukeatua	Microlight Class 2
MRH	Cessna T182T	Matt Todd Holdings Limited	Gisborne	Aeroplane
NPM	Cessna 172RG	Hawaiki Trust	Kaitaia	Aeroplane
RAP	JRM Helyplanes Wasp Air Buggy	Mr K W Langford	Rakaia	Microlight Class 1
SCJ	Jodel D.18	Mr P J Bjarnesen	Rotorua	Microlight Class 2
TFD	Piper PA-28RT-201T	Mr A G Meads	Christchurch	Aeroplane
TGT	Tecnam P92 Echo Super	Daire Limited	Christchurch	Microlight Class 2
TQW		Mr R J Northcroft	Woodend	Microlight Class 2
VMA	Cirrus Design SR22	Mr P A Stewart	Christchurch	Aeroplane
YNZ	Yakovlev Yak-52	ZK-YNZ Limited	Pauanui	Aeroplane
ZXZ	Zenith Zodiac CH 601 XL	Magill Family Trust	Papakura	Microlight Class 2
1	RTURES - May / June 2013	3 /		3
		Commutes Automotics Decilion	A al .l a al	A D
CAS	Cessna 180A	Computer Automation Products	Auckland	Aeroplane Rev
ELL	Rockwell 114	Air Hawkes Bay Limited	Hastings	Aeroplane Exp
FAX	Kavanagh E-180	Balloon Expedition Co of NZ Ltd	Waitakere	Balloon w/d
FBX	Cameron N-105	Mr D J Barrow	Auckland	Balloon w/d
FBY	Kavanagh E-140	Sunrise Balloon Adventures Limited	Queenstown	Balloon w/d
FDS	Ultralight Mirage Mk.II	Mr C G Boyd	Christchurch	Microlight C1 w/d
FHL	Eastern Ultralights Snoop	Mr T S Skilton	Blenheim	Microlight C1 w/d
FLK	Thruster Aircraft Thruster R377	Mr G S Beer	Lumsden	Microlight C1 w/d
FSR	McNair Mynah	Central Aero Engineering Limited	Cambridge	Microlight C1 w/d
	Reims/Cessna FRA150L	Mr G P Armstrong	Christchurch	Aeroplane Exp
GMV		Otago Southland Gliding Club Inc		Glider w/d
HAM		Michael A & Allan O Meuli	Hokitika	Helicopter Dest
HEE	Kaman K-1200	Skywork Helicopters K-Max Limited	Warkworth	Helicopter Exp
HEF	Robinson R22 Beta	Heli Max Limited	Kaiapoi	Helicopter w/d
HMI	Bell 206B	Helicopters South Canterbury Ltd	Timaru	Helicopter Exp
	MBB MBB-BK117 B-2	Pacitic Helicopters Ltd (PNG)	Havelock North	Helicopter Exp
HSO	Eurocopter AS 350 B3	Hazeldean Aviation Limited	Christchurch	Helicopter Exp
HSY	Hughes 269C	Harbour City Helicopters Limited	Whakatane	Helicopter Rev
ICC	Hughes 369HS	P G Limited	Wanaka	Helicopter w/d
ICI	Eurocopter AS 350 B3	Mr B J Comerford	Porirua	Helicopter Exp
IRB	MDHI 369E	Skysales Aviation (NZ) Ltd	Christchurch	Helicopter Exp
JAW	Airborne Windsports Edge 582	Mr S Parker	Ohaupo	Microlight C2 Rev
JBQ	Quicksilver MXL II	Mr M C Stead	Manukau	Microlight C2 w/d
JDN	Micro Aviation B22 Bantam	Mr C J Kokshoorn	Greymouth	Microlight C2 Dest
KCI	Pacific Aerospace 750XL	Pacific Aerospace Limited	Hamilton	Aeroplane Exp
KCJ	Pacific Aerospace 750XL	Pacific Aerospace Limited	Hamilton	Aeroplane Exp
KGG	Micro Aviation B10 Bantam	McCludeking Syndicate	Ashburton	Microlight C1 Rev
LMG	Impulse Aircraft Impulse 100 TD	Mr J G P White	Takapau	Microlight C2 Exp
LMH	Rockwell 114	Mr S J Sainsbury	Palmerston	Aeroplane Exp
MBP	Piper PA-44-180	CTC Aviation Training (NZ) Ltd	Hamilton	Aeroplane Exp
MBT	Piper PA-44-180	CTC Aviation Training (NZ) Ltd	Hamilton	Aeroplane Exp
MLF	Micro Aviation Bantam B22S	Mr R M Smith	Westport	Microlight C2 Rev
MWW	/Thruster Aircraft Thruster	Mr I M Sinclair	Temuka	Microlight C1 w/d
MYC	Quad City Challenger II	Mr G W Corlett	Warkworth	Microlight C2 w/d
NCA		Heliplane Services Limited	Thames	Aeroplane w/d
OLY	Piper PA-46-500TP	Mr S S Lusk	Waikanae	Aeroplane Exp
PAW	Kavanagh D-90	Balloon Expedition Co of NZ Ltd	Waitakere	Balloon w/d
PIP	Flylight Flylight Dragonfly	Mr I Davidson-Watts	Greymouth	Microlight C1 Exp
PRO	Quad City Challenger II	Murray Farr & Gary Collins	New Plymouth	Microlight C2 Exp
RNZ	Rans S-12 Airaile	Mr S Á Mahon	Waikari	Microlight C2 w/d
RWC	Cessna 172B	W H and C B Coop	Mahia	Aeroplane w/d
RYD	Stoof Joyryder	Mr M P P Stoof	Hamilton	A/B Aeroplane w/d
TRC	Cessna 421C	Air Manawatu Ltd	Feilding	Aeroplane Exp
VAB	Saab Aircraft AB SAAB 340B	Vincent Aviation Ltd	Wellington	Aeroplane Exp
WIZ	Pitts S-2S	Special Syndicate	Whangaparaoa	Aeroplane Dest
WSX	Cameron N-105	Balloon Expedition Co of NZ Ltd	Waitakere	Balloon w/d
XEN	Celier Xenon	Mr D J Church	Tauranga	Gyroplane Dest
ZFR	ATEC Zephyr	Hyflyte Aviation Limited	Australia	Microlight C2 Exp
ZIP	Bede BD-5B	ESOR Trust	Auckland	A/B Aeroplane Exp
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Omaka's Community Fighter Revealed

A GATHERING at the end of June saw members of the nascent 'Marlborough Fighter Consortium' meet at Omaka to view progress on the restoration of their syndicate owned Yak-9V. It is fair to say that all in attendance were impressed with the achievements of the JEM Aviation team in only a relatively short time frame

contributed by Graham Orphan

The consortium follows similar lines to the many successful warbird syndicates within New Zealand except that the goal was to provide owners with a V-12 fighter experience but at a realistically affordable price. In addition, it was seen as desirable to utilise an aircraft with full dual control capability for type ratings, currency checks and also to facilitate continued flying for any members who may go through difficulties maintaining their flight medicals at times. This would be impossible to achieve with existing types like the TF-51D Mustang or the Tr.IX Spitfire, in both cases represented by fewer than 10 surviving aircraft and with price tags between 3 to 4 million NZ dollars. The solution is the Yak-9V which offers full dual controls in an attractive, well-mannered fighter that will be completed for under NZ\$1m.

After a period of promotion to raise interest and gather members, work-proper started on the aircraft last October in the hangars of JEM Aviation at Omaka. The staff at JEM have had considerable involvement with Eastern Bloc aircraft, and have worked on all of the Yak-3/-9 aircraft presently in New Zealand. The awardwinning Yak-3 of the Frew syndicate was fully restored by the JEM Aviation team, being completed about 18 months ago, so the project could not be in better hands.

This aircraft started life as a LET



Syndicate members admire progress on the Yak-9V being restored by JEM Aviation.

C-11, the Czech license built variant of the Russian Yak-11 trainer. It was one of 40 examples recovered from Egypt by a French consortium during the late 1970s and was later sourced from the USA by Kiwis Steve Petersen and David Dew who brought it to Omaka and commenced the restoration. David remains a member of the current syndicate.

The basic syndicate structure comprises 18 members putting in \$40,000 each. There are presently 3 shares remaining which don't have names against them. It is pleasing to see that there is strong support for the group which has members spread right across New Zealand, with another being a Hong Kong based Australian, and another in Sydney.

For many people this represents the only practical way in which they can realistically enjoy owning and flying a WW-II fighter. With the manageable airframe, engine and propeller combination, and fixed costs shared by so many people, it really is the achievable everyday pilot's fighter!

For more information

We look forward to bringing readers further updates from JEM Aviation as work progresses on the project. In the meantime, anyone wishing to know more about this aircraft or syndicate should feel free to make contact with the following principals.

Jay McIntyre, e: jay@jemaviation.co.nz Brian Greenall, e: brian@equus.co.nz Graham Orphan, e: cwd@cwd.co.nz





This Yak-9V shows its attractive lines whilst in service with the VVS (Soviet Air Force)