

Restrel Publications



SIKORSKY CH-124 SEA KING ROYAL CANADIAN AIR FORCE SERIAL NUMBERS & INDIVIDUAL HISTORIES





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Overview

This publication is intended to provide a brief overview / summary of individual aircraft histories using information drawn from personal documents / records and other publicly available references identified at the end of the publication. In addition, this information has been further supplemented and / or verified against available RCAF incident / accident reports.

About the Author



Terry Leversedge was born in Moose Jaw, Saskatchewan, while his father was serving at Royal Canadian Air Force (RCAF) Station Moose Jaw. He later graduated from the Royal Military College, Kingston, with a degree in Mechanical Engineering in 1979, and then received a Masters degree in aerospace vehicle design from the Cranfield Institute of Technology in the United Kingdom. His career in military aerospace engineering encompassed a wide number of positions at both field units and within the headquarters of the RCAF, before he retired after 35 years of service at the rank of Brigadier General. Now an aviation consultant and amateur historian, he is the author of other commercially available books on Canadian military aviation subjects and has published numerous articles as the Editor-In-Chief at *Airforce* magazine, the flagship publication of the Royal Canadian Air Force Association.

Additional Information

The information in this serial as accurate and up to date as possible based upon the available public sources. It should <u>not</u>, however, be construed as an "official" list nor 100% accurate. Any errors of commission or omission are solely those of the author. As with all endeavours of this nature, however, the author would be pleased to hear of any additional information and / or corrections. Please provide any details to: Kestrel Publications at <u>kestrelpubs@gmail.com</u>

Dedication

This publication is dedicated to all those who flew and maintained these CH-124 Sea King aircraft and especially to those who gave their lives in the service of their country while flying or maintaining them.

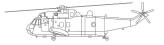
Cover Image Notes

A CH-124 #4007 in the original colour scheme for the Royal Canadian Navy. - (CF Photo # SWC88-513-13)

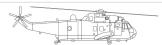


CH-124 Sea King Serials

	Designer	Manufacturer	c/n	variant or model	name
4001 124401	Sikorsky	Sikorsky in USA	61-179	CH-124A / B / B-2	Sea King
	TOS: 14 August 197	0 - renumbered from	RCN 4001		
	Dublin, Ireland. Ope 1982. Converted to early 1990s. Receiv back onto the flight of 2003. Rolled onto it ammunition. Cat "B' Sea for Operation A injuries. The heavily the airframe was rec	erated from HMCS AI CH-124B. One of 6 red nose mount for F deck during an emerous s starboard side, spil damage. The ship was poll our aircr damaged aircraft was sovered by crane. Re	nnapolis, by 44. CH-124B upda LIR. Crashed of gency recovery, ling its fuel tankwas 100 km soulew successfully as secured on dibuilt as a training the control of the contr	soard HMCS Athabaskan 3 Squadron, during tour of ted with HELTAS to CH-1 on take-off from HMCS Iron after a single engine fails as, plus 2,200 rounds of 7 uth east of Halifax NS, ency evacuated the aircraft week and the ship returneding aid, returned to CAF ir 3 and preserved in its original section.	of Great Lakes in 124B-2 standard oquois (DDH-280), ure, on 27 Feb 7.62mm route to the Arabia vith only minor d to Halifax where n December 2004.
	SOS: 28 Jul 2018 - I	Preserved at Shearw	ater Aviation M	useum, Shearwater, NS	
4002	Sikorsky	Sikorsky in USA	61-189	CH-124A	Sea King
	TOS:				
	procedure off a night	ror near HMCS Bona t radar approach to t	aventure. Havir he aircraft carri	ng just completed an instr er HMCS <i>Bonaventure,</i> S	rument overshoot Sea King 402 was
	at sea due to pilot er procedure off a nigh established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on im	tror near HMCS Bona t radar approach to the ew had been airborn or was scheduled to for another Sea King (#1 escent profile until was trapped in their seats bact, while the two piny naval personnel	aventure. Havir he aircraft carri- altitude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Bos. The observer llots were ejecte	ng just completed an instr	ument overshoot Sea King 402 was to a designated ological conditions recovery. Distracted or pilot recognized ough the front in the cabin area ously survived and
	at sea due to pilot er procedure off a nigh established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on imp	tror near HMCS Bona t radar approach to the vectors at 200 feet a ew had been airborn or was scheduled to f inother Sea King (#1 secent profile until was trapped in their seats pact, while the two piny naval personnel	aventure. Havir he aircraft carri- altitude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Bos. The observer llots were ejecte	ng just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteor 30 minutes prior to final in the same area, neither the pilots were ejected throward and naval aircrew man inted on impact and miracules.	ument overshoot Sea King 402 was to a designated ological conditions recovery. Distracted or pilot recognized ough the front in the cabin area ously survived and
4003 124403	at sea due to pilot er procedure off a night established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on impure later rescued by and to cause casual	tror near HMCS Bona t radar approach to the vectors at 200 feet a ew had been airborn or was scheduled to f inother Sea King (#1 secent profile until was trapped in their seats pact, while the two piny naval personnel	aventure. Havir he aircraft carri- altitude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Bos. The observer llots were ejecte	ng just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteor 30 minutes prior to final in the same area, neither the pilots were ejected throward and naval aircrew man inted on impact and miracules.	ument overshoot Sea King 402 was to a designated ological conditions recovery. Distracted er pilot recognized ough the front in the cabin area ously survived and
4003 124403	at sea due to pilot er procedure off a night established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on impure later rescued by and to cause casual SOS: 30 Nov 1967 -	tror near HMCS Bona t radar approach to the vectors at 200 feet a ew had been airborn or was scheduled to f another Sea King (#1 escent profile until was trapped in their seats boact, while the two ping by naval personnel The Cat "A" write-off	aventure. Havir he aircraft carri- altitude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Bo s. The observer lots were ejecte This was the firs	ng just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteore 30 minutes prior to final it in the same area, neither the pilots were ejected through and naval aircrew man ir it in the same and miraculated on impact and miraculated of 14 accidents to claim	ument overshoot Gea King 402 was to a designated ological conditions recovery. Distracted er pilot recognized ough the front in the cabin area ously survived and in both a Sea King
	at sea due to pilot er procedure off a night established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on impure later rescued by and to cause casual SOS: 30 Nov 1967 - Sikorsky TOS: 14 August 197 Received SKIP upgr	tror near HMCS Bona t radar approach to the vectors at 200 feet a ew had been airborn or was scheduled to f another Sea King (#1 escent profile until was trapped in their seats pact, while the two piny naval personnel The control of the two piny naval personnel The Sikorsky in USA To - renumbered from the control of the control	aventure. Havir he aircraft carrical titude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Bos. The observer lots were ejecter his was the firs 61-191 a RCN 4003	ng just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteore 30 minutes prior to final it in the same area, neither the pilots were ejected through and naval aircrew man ir it in the same and miraculated on impact and miraculated of 14 accidents to claim	ument overshoot Sea King 402 was to a designated cological conditions recovery. Distracted ough the front in the cabin area cously survived and in both a Sea King Sea King
124403	at sea due to pilot er procedure off a night established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on impure later rescued by and to cause casual SOS: 30 Nov 1967 - Sikorsky TOS: 14 August 197 Received SKIP upgrunkknown. Based a	tror near HMCS Bona t radar approach to the vectors at 200 feet a ew had been airborn or was scheduled to funother Sea King (#1 escent profile until was trapped in their seats pact, while the two piny naval personnel The Cat "A" write-off Sikorsky in USA 10 - renumbered from rades c.1972, to becan t from CFB Shearwa	aventure. Havir he aircraft carrical titude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Bots. The observer lots were ejecter in the first was the first first was the first end of the fir	ag just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteor 30 minutes prior to final it in the same area, neither the pilots were ejected through and naval aircrew man ir it is don't and naval aircrew to claim CH-124A CH-124A A. Served with HU 21 At Salk nose mount, in 1990's	ument overshoot Sea King 402 was to a designated cological conditions recovery. Distracted ough the front in the cabin area cously survived and in both a Sea King Sea King
124403 4004	at sea due to pilot er procedure off a night established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on impure later rescued by and to cause casual SOS: 30 Nov 1967 - Sikorsky TOS: 14 August 197 Received SKIP upgrunkknown. Based a HMCS Preserver. SOS: 2018 - Scrapp	tror near HMCS Bona t radar approach to the revectors at 200 feet a ew had been airborn or was scheduled to funother Sea King (#1 iscent profile until was trapped in their seats pact, while the two piny naval personnel The Cat "A" write-off Sikorsky in USA 0 - renumbered from addes c.1972, to becat t from CFB Shearwa	aventure. Havir he aircraft carrical titude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Both the compact was the first first first was the first first was the first first was the first first was the first	ag just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteor 30 minutes prior to final it in the same area, neither the pilots were ejected through and naval aircrew man ir it is don't and naval aircrew to claim CH-124A CH-124A A. Served with HU 21 At Salk nose mount, in 1990's	ument overshoot Sea King 402 was to a designated cological conditions recovery. Distracte er pilot recognized ough the front in the cabin area ously survived and in both a Sea King Sea King
124403	at sea due to pilot er procedure off a night established on radar holding area. The cr (IMC). The helicopte by the presence of a the subtle aircraft de windows while still s both perished on impure later rescued by and to cause casual SOS: 30 Nov 1967 - Sikorsky TOS: 14 August 197 Received SKIP upgrunkknown. Based a HMCS Preserver. SOS: 2018 - Scrapp	tror near HMCS Bona t radar approach to the revectors at 200 feet a ew had been airborn or was scheduled to funother Sea King (#1 iscent profile until was trapped in their seats pact, while the two piny naval personnel The Cat "A" write-off Sikorsky in USA 0 - renumbered from addes c.1972, to becat t from CFB Shearwa	aventure. Havir he aircraft carrical titude and 90 e for 3.5 hours ly an additional 2427) operating ter impact. Both the compact was the first first first was the first first was the first first was the first first was the first	ag just completed an instrer HMCS Bonaventure, Sknots airspeed in transit tunder instrument meteor 30 minutes prior to final ig in the same area, neither and naval aircrew man ired on impact and miraculat of 14 accidents to claim CH-124A CH-124A A. Served with HU 21 At Salk nose mount, in 1990's	ument overshoot Sea King 402 was to a designated ological conditions recovery. Distracted or pilot recognized ough the front in the cabin area ously survived and in both a Sea King Sea King Shearwater, dates s. Operated from



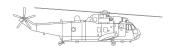
4005 124405	Sikorsky	Sikorsky in USA	61-202	CH-124A	Sea King
	TOS: 14 August 19	70 - renumbered from	RCN 4005		
	"Gulf War" modifica Operation TOUCAN 2010, this a/c was r As one of the last S	tions for Operation FI I. With 406 (HT) Squ epainted in original R ea Kings flying; it was	RICTION, 1991 adron, CFB Sh CN colours to o s flown to Trent	. Onboard HMCS Nipigor . Operated in UN missior earwater, 1999. Later wit commemorate 100th anni on on 20 Nov 2018 for pro ed with 17,755 flying hour	n to East Timor, h 443 Squadron. In versary of the RCN eservation by the
	SOS : 20 Nov 2018	- Preserved at NAFM	IC, Trenton, ON	I	
4006 124406	Sikorsky	United Aircraft Canada	61-207	CH-124A	Sea King
	TOS: 14 August 19	70 - renumbered from	RCN 4006		
		rwater when renumber. Received nose mo		406, 1983. Seen onboard	d HMCS
	SOS : 2018 - Scrap	ped by Dartmouth Me	etals 2018		
4007 124407	Sikorsky	United Aircraft Canada	61-213	CH-124A	Sea King
12-1-07	TOS: 14 August 19	70 - renumbered from	RCN 4007		
	With 406 (HT) and colours to commen received a special p	443 Squadrons, CFB lorate 25 th anniversar paint scheme which co	Shearwater, 19 y of type in serv ommemorated	S Calgary. Received nos- 1999. This a/c was repainte vice on 2 August 1988. The the 60th anniversary of 44 rce Museum (CAFM) in 2	ed in original RCN his aircraft also 3 Squadron
	SOS: 2018, Preserv	ved at CAFM, Comox	, BC		
4008 124408	Sikorsky	United Aircraft Canada	61-218	CH-124A	Sea King
	TOS: 14 August 19	70 - renumbered from	RCN 4008		
	Annapolis in 1982.	With No. 433 Squadr	on in 1995. W	CFB Shearwater, NS. Op ith 423 Squadron, CFB Sl ⁄luseum in 2013 - 2019.	
	SOS : 29 July 2013	- Sold to Rotor Maxx	Support - July	2019	
4009 124409 910B	Sikorsky	United Aircraft Canada	61-234	CH-124A	Sea King
	TOS : 14 August 19	70 - renumbered from	RCN 4009		
	Shearwater. While of a newly installed may problems within the using the new and of catastrophic MGB for harbour approaches the crew exited the aircrew were rescue Shearwater without	conducting a post-ma ain gear box (MGB) c recently refurbished unfamiliar automatic c ailure, the aircraft cap s. Once safely establi aircraft, which sank a ed by a second Sea k injury. The aircraft wan a 3 April 1994, used a	intenance test in the detect light MGB transmiss this burn-off system executed a shed on the walfter approximations crew operals subsequently	1982. Ditched 4 Novembright in the local Shearwa illuminated which indicates sion. Several attempts to be stem proved unsuccessful an immediate controlled dater surface, the aircraft we tely 45 minutes on the occuting in the local area and y salvaged and became go Still there in 1995, when	ter dip sector area, ed potential purn off the debris I. Anticipating a itching in the Halifa as shut down and ean surface. The returned to iround instruction



124410	Sikorsky	United Aircraft Canada	61-245	CH-124A	Sea King				
	TOS: 14 August 1970 - renumbered from RCN 4010								
	1991; and at CFB S		Participated in fi	Var" modifications for Ope inal Sea King formation fli					
	SOS : 15 Dec 2018	- Sold to Rotor Maxx	Support - 30 O	ct 2019					
4011 124411	Sikorsky	United Aircraft Canada	61-249	CH-124A	Sea King				
	TOS : 14 August 197	70 - renumbered from	RCN 4011						
	September 1989 int This uniquely config (HOTEF) was emba in the Bermuda ope transmission failure ditched. A decision is surface in a pronous before it sank and e transmission deficie became ground inst	to the Atlantic off Berryured test aircraft from arked on HMCS Frase rations area, the crevy. Once an actual loss to shut down followed sea-swell conditiventually were return ency inherent to the Struction airframe at Cl	nuda. Believed the Helicopter or in support of v suddenly exprof MGB transm I because the tation. All crew moded to Fraser. Tea King fleet. TFB Shearwater.	te 1970s, with #124422. It to be with No. 406 Squar Operational Test and Evoperational flight trials. Operienced indications of a rhission oil was confirmed, ail rotor blades were striki embers successfully departed in airframe was eventual to a serior sinstructional airframe	dron at the time. aluation Facility perating at mid-day massive MGB the aircraft was ng the ocean arted the aircraft eneric MGB ly recovered and				
4040									
4012 124412	Sikorsky	United Aircraft Canada	61-253	CH-124A	Sea King				
	TOS: 14 August 1970 - renumbered from RCN 4012								
	Shearwater, 1999.	Also served with 443	Squadron.	ION, 1991. With 423 Squ	adron, CFB				
1010	SOS: 2018 - Sold to	Rotor Maxx Support	t - 21 July 2019						
4013 124413	Sikorsky	United Aircraft Canada	61-256	CH-124A	Sea King				
	TOS: 14 August 197	70 - renumbered from	RCN 4013						
		ancouver on 21 Septe		TION, 1991. With No. 443 arried nose FLIR at that ti					
	SOS: 2018 - Sold to	Rotor Maxx Support	t - 4 Dec 2019						
4014 124414	Sikorsky	United Aircraft Canada	61-260	CH-124A	Sea King				
	TOS: 14 August 197	70 - renumbered from	RCN 4014						
	1995. Aircraft in this nose and lower fuse 16 June 1999. With	s role can be recogniz	zed by yellow to rear fuselage dates not know	and 1999. Used as water ape applied around acces during tight turn while taxi n.	s door seams on				



United Aircraft Canada	61-264	CH-124A	Sea King			
1970? - renumbered fro	m RCN 4015					
S Saguenay help was co da. While established in the signer fire light and the "Tothe hover and achieve so No.2 engine temperature forward flight airspeed. Into the wind. While atterpoint all aircraft systems senger (ship's captain) of the wind is captain) of the wind is captain) of the wind is captain.	onducting early-renducting early-renducting early-standle light surface single-enging pegged at maximable to stay ampting to water twere secured alleparted the airce	sor problems near Bermumorning daylight crew tra 0 feet of sonar ball deploy addenly illuminated. As the flight parameters, the aximum and elected to security after the landing, the nd the crew abandoned the craft without incident and the sources, but it was problem.	ining just off the yed in the water, ne ball was being ircraft captain ure the hot engine the aircraft ditched second engine also he aircraft. The were rescued by			
nber 1969 - Cat "A" wri	te-off					
United Aircraft Canada	61-282	CH-124A/CH-124B	Sea King			
1970 - renumbered fron	n RCN 4016					
		thabaskan, 1977. Conve P, for overhaul or storage				
ld to Rotor Maxx Suppor	t - 27 Oct 2020					
United Aircraft Canada	61-283	CH-124A	Sea King			
1970 - renumbered fron	n RCN 4017					
Squadron, CFB Shearw quadron in November 20	ater, NS in 1999 05. Repainted ir	War" modifications for Op D. Took part in 2005 Abbo n RCN colour scheme prion y 443 Sqn before the flee	otsford air show. or to retirement of			
018; Preserved at 443 Sc	ηn, Esquimault, Ι	ВС				
United Aircraft Canada	61-285	CH-124A	Sea King			
1970 - renumbered fron	n RCN 4018					
With HS 50 when it ditched on 26 April 1973. Converted to utility configuration, no change in designation, but unofficially known as a CH-124U. Later received SKIP upgrades to become a CH-124A. On 26 April 1973 while crew training in the Shearwater dipping area, the a/c suffered a engine failure while in the hover. The a/c impacted the water heavily; the crew egressed safely but the a/c sank. The airframe was later recovered but was heavily damaged and written-off. The engine failure was eventually attributed to the failure of the No. 2 bearing static seal.						
1974 - Cat "A" write-o	ff					
United Aircraft Canada	61-285	CH-124A	Sea King			
1970 - renumbered fron	1 KCN 4019					
SKIP upgrades, to becomuse damage on 27 Aug 20	ne a CH-124A. \$)03, while servin	on, but unofficially known Served with VT 406, date ig with 443 Squadron.				
		to Rotor Maxx Support - 4 Aug 2020	damage on 27 Aug 2003, while serving with 443 Squadron. to Rotor Maxx Support - 4 Aug 2020			



4020 124420	Sikorsky	United Aircraft Canada	61-286	CH-124A	Sea King			
	TOS: 14 August 1970 - renumbered from RCN 4020							
	On Nov 7, 1971 the a/c suffered a single engine failure on take-off from HMCS <i>Nipigon</i> while in the Caribbean Sea. Pilot attempted to return while also dumping fuel. Flight deck ready for emergency recovery but a/c became uncontrollable and crashed near the ship. Black moonless night. Both pilot and the observer perished on water impact, while the navigator miraculously managed to egress the submerged aircraft through the tactical navigator's side window. Arriving in the crash location minut after the crash, <i>Nipigon's</i> rescue boat recovered the navigator (Lt (N) Bud MacLean) amongst the aviation fuel and aircraft debris. Date was 7/11 local, so 8/11 GMT. (HEG, ship air controller).							
	SOS: 28 August 1972 - Cat "A" write-off							
4021 124421	Sikorsky	United Aircraft Canada	61-287	CH-124A / C	Sea King			
	TOS: 14 August 197	0 - renumbered from	RCN 4021					
	Helicopter Operation firing. Rotated throu	nal Test and Evaluation gh regular squadron	on Facility, CFB use when not i	. Converted to CH-124C. B Shearwater, NS, for trials involved in testing. With 4 (2), both this and CH-124C	s including door gun 406 (HT) Squadron,			
	SOS : 2018 - Sold to	Rotor Maxx Support	t - 29 Sep 2020					
4022 124422	Sikorsky	United Aircraft Canada	61-288	CH-124A	Sea King			
	TOS: 14 August 197	0 - renumbered from	RCN 4022					
	at sea off HMČS Proday hot fuel/crew chance, the aircraft Metemperature gauge to call the aircraft left thafter leaving the how and decreasing. He the MGB transmission catastrophic MGB trawas shut down immeraft. The Australian fuel them to Protecteur.	stecteur after a MGB ange to prosecute a GB transmission hot hat was pegged at "re hover to begin a 2 er, however, the pilot re-entered the hover on area and a pronou ansmission failure was ediately after water la rigate HMAS Adelaic The aircraft sank app offt salvage.	failure. The ain submarine con caution light illumaximum:' Afte 3-mile high-spet noticed that the to further evaluated "welding is imminent. Deanding and the de - first on scel	Operated from HMCS Marcraft departed HMCS <i>Pro</i> tact. Shortly after entering uminated, confirmed by the red, low-level transit to <i>Pro</i> the MGB oil pressure gauguate the aircraft's status. Essmell" convinced the capue to a pronounced sea serew departed the aircraft ne - recovered all crewmen inutes after ditching in e	tecteur after a mid- g the initial sonar de MGB oil mergency distress totecteur. Shortly de was fluctuating Excessive heat from tain that a well, the aircraft t in the six-man life			
4000	SOS: 23 June 2000							
4023 124423	Sikorsky	United Aircraft Canada	61-289	CH-124A	Sea King			
	TOS: 14 August 197	0 - renumbered from	RCN 4023					
	With No. 443 Squadron and later No. 422 Squadron, CFB Shearwater, NS, in 1980s. Ditched on 27 February 1993 due to electrical problems off west coast of Florida, back with No. 443 Squadron by then. The HMCS <i>Nipigon</i> aircraft was conducting a night training mission in the Gulf of Mexico, operating at an altitude of 3,000 feet above an overcast cloud layer condition. A sudden "Battery Hot" cockpit indication induced the pilot to select the battery switch to "OFF" in accordance with published aircraft checklist procedures. A complete electrical failure situation ensued in night IMC. As the pilot descended the aircraft through the cloud layer with minimal flight instruments and without a flight control stabilization system, he turned the battery switch to "ON". Although some electrical capability was regained, it was considered insufficient to maintain safe night flying. Subsequent indications of smoke in the cockpit resulted in the decision to ditch the aircraft, at which point the aircrew departed the aircraft prior to sinking. Recovered 1 May 1993, but not repairable due to salt water corrosion issues							



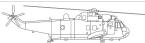
4004		Linita d Aireauft					
4024 124424	Sikorsky	United Aircraft Canada	61-290	CH-124A / B / B-2	Sea King		
	TOS : 14 August 197	0 - renumbered from	RCN 4024				
	Norway in 1982. Co standard early 1990 Scheduled for conve Task Force (SCTF). seats, and upgrades	onverted to CH-124B. s. With No. 443 Squersion to troop transp Modification will incl	One of 6 CH- adron in 1995. ort during 2006 ude removal of and self-defend	n HMCS Algonquin during 124B updated with HELTA At Abbotsford air show, A , to support the new Stan HELTAS and other ASW te gear. All conversions w	AS to CH-124B-2 August 2004. ding Contingency gear, installation of		
	SOS : 2018 2 - Sold	to Rotor Maxx Suppo	ort - 15 Sep 202	20			
4025 124425	Sikorsky	United Aircraft Canada	61-324	CH-124A	Sea King		
	TOS : 14 August 197	0 - renumbered from	RCN 4025				
	but unofficially know reported as crashed board fire during a fe engine fuel line that on to its side. The w	n as a CH-124U. La in July 1993, appare erry flight while in the was chafed through liring to the Fuel Shut ilots (Maj Bob Hende	ter received Skently repaired. (cruise at 6,000 by a drain line. Off Valves had	ity configuration, no chan (IP upgrades, to become Crashed again on 28 Apr of t. The fire was initiated During the forced landing I burn through, so these of y Sweetman) died and the	a CH-124A. Also 1994 after an on- by a leak in a main the aircraft rolled could not be		
	SOS : 28 Apr 1994 -	Cat "A" write-off					
4026 124426	Sikorsky	United Aircraft Canada	61-328	CH-124A	Sea King		
	TOS: 14 August 197	0 - renumbered from	RCN 4026				
	Portsmouth, England	d onboard HMCS Alg	onquin, 1 April	d from HMCS Athabaskar 1984. Received Gulf Wa 1995. Also with No. 423	r modifications for		
	SOS: 2018; Preserv	ed at CASM, Ottawa	, ON				
4027	Sikorsky	United Aircraft Canada	61-330	CH-124A	Sea King		
	TOS:						
	On 22 Feb 1968, while on exercise with the submarine HMCS <i>Onondaga</i> , #4027 experienced an engine failure and settled into the water. Three attempts to get airborne failed and, when one of the floatation bags failed to inflate, the helicopter rolled over. The two pilots, two naval air crewmen and two observers bailed out and were rescued by HMCS <i>Onondaga</i> and returned to the carrier by "Pedro" the HOS4-3 rescue helicopter. <i>Sea King</i> 4027 was hoisted aboard "Bonnie", washed with fresh water and flown to Canadian Pratt & Whitney (CP&W), Montreal, by a USAF Douglas C-124 <i>Globemaster</i> transport but, due to salt-water corrosion, could not be returned to squadron service. This helicopter was then slated to be used as a mock-up for future <i>Sea King</i> modifications.						
	SOS : 22 Feb 1968 -	Cat "A" write-off					
4028 124428	Sikorsky	United Aircraft Canada	61-332	CH-124A	Sea King		
	TOS: 14 August 197	0 - renumbered from	RCN 4028				
	HMCS Ville de Quét			, for overhaul or storage, va, ON	in 1995. Onboard		



4029 124429	Sikorsky	United Aircraft Canada	61-334	CH-124A	Sea King				
	TOS: 14 August 1970 - renumbered from RCN 4029								
	CFB Shearwater, for	detachments on HM Squadron in 1995. (CS Huron (dat	B Shearwater, NS. Also ve unknown) and on HMC NE air show, Toronto, On	S <i>Athabaskan</i> in				
	SOS: 2018; Preserv	ed at CFB Borden Mi	ilitary Museum,	Borden, ON					
4030 124430	Sikorsky	United Aircraft Canada	61-336	CH-124A / B / B-2	Sea King				
	TOS: 14 August 197	0 - renumbered from	RCN 4030						
	CH-124B updated w 1995. Took part in C Squadron at CFB Co 2006, to support the	rith HELTAS to CH-12 Canadian National Ex Omox in November 20 new Standing Contin	24B-2 standard hibition air show 005. Converted ngency Task Fo	nown. Converted to CH- early 1990s. At CFB Show, at Toronto, ON in 2005 d to troop transport configurce (SCTF). trainer in Esquimalt, BC;	earwater, NS in 5. With No. 443 juration during				
4031 124431	Sikorsky	United Aircraft Canada	61-338	CH-124A	Sea King				
	TOS: 14 August 197	0 - renumbered from	RCN 4031						
	With No. 423 Squadron at CFB Shearwater, 1983. Later with 443 Squadron. At CFB Shearwater, NS in 1995. Operated in UN mission to East Timor, Operation TOUCAN.								
	SOS: 2018; preserv	ed at Shearwater Avia	ation Museum,	Shearwater, NS					
4032 124432	Sikorsky	United Aircraft Canada	61-340	CH-124A	Sea King				
	TOS: 14 August 1970 - renumbered from RCN 4032								
	to tail rotor buzz issu Shearwater, NS, hel unintentionally enter exceeded Sea King an altitude of approx aircraft transitioned The aircrew were ca	ues. The flight crew wiport area. While perfeed an out-of-wind how tail rotor system limitatimately 100-feet, the forward on descent all	as assigned to orming controll ver flight condit ations. As a res n rapidly descend landed on so the aircraft wro	ned at Shearwater on 15 les conduct a post-maintena ability checks in a 20-foorion known as tail rotor but to fail rotor failure, the ended to ground impact. Fofter ground beyond the peckage with serious yet not to conduct the peckage with serious yet not to conduct the peckage with serious yet not to conduct the peckage with serious yet not conduct the peckage with yet not conduct the yet not conduct the peckage with yet not conduct the yet not y	nnce test flight at th t hover, the aircraft izz (TRB) that aircraft climbed to fortunately, the payed tarmac area				
4033 124433	Sikorsky	United Aircraft Canada	61-342	CH-124A	Sea King				
	TOS: 14 August 1970 - renumbered from RCN 4033								
	With HS 50 at Shearwaterwhen renumbered. With 406 (HT) Squadron, CFB Shearwater, dates unknown. With No. 433 Squadron in 1995.								
	SOS: 2018 - Sold to	Rotor Maxx Support	- 7 July 2020						
4034 12434	Sikorsky	United Aircraft Canada	61-344	CH-124A / B / B-2	Sea King				
	TOS: 14 August 197	0 - renumbered from	RCN 4034						
	1983. Converted to early 1990s. Receiv transport configurati	CH-124B. One of 6 ved nose mount for Floon during 2006, to suanted in an elaborate	CH-124B upda _IR. Seen at M pport the new S	den, 18 May 1981. With ted with HELTAS to CH-1 fillville, NJ, in May 2003. Standing Contingency Ta e to commemorate the 50	24B-2 standard Converted to troop sk Force (SCTF).				
	SOS: 2018 - Sold to	Rotor Maxx Support	- 1 Sep 2020						
	1								



4035	Cilco-str.	United Aircraft	64 045	CH 4044	Con Vina			
124435	Sikorsky	Canada	61-345	CH-124A	Sea King			
	TOS: 14 August 1970 - renumbered from RCN 4035 Visited Furgoe in late 1970s, on board unknown ship. Visited Portsmouth, England onboard HMCS							
	Visited Europe in late 1970s, on board unknown ship. Visited Portsmouth, England onboard HMCS Algonquin, 1 April 1984. Received nose mount for FLIR. At CFB Shearwater, NS in 1995. With HS 443 in 1997. Also with No. 423 Squadron, dates not known. Suffered serious Cat "B" damage on 15 Jul 2013. The crew planned a night trainer in the local Shearwater area and boarded the aircraft during a hot refuel with engines running and rotors turning. The aircraft had ground taxied to take off from Helipad #3 when it was recalled back to the inner ramp so that the aircraft captain could sign additional electronic aircraft records prior to the flight. After the aircraft came to a complete stop, the aircraft captain started removing his safety harness. The co-pilot then transferred control of the collective lever to the aircraft captain and, at the same time, was motioning to the marshaller. The a/c then pitched forward rapidly. As the a/c's tail rose, the a/c rotated forward and pivoted on the extended main landing gear oleos before lifting off the ground. The main rotor disk then tilted rearward and impacted the tail pylon, causing it to separate from the fuselage. Once the a/c fell back to the ground and started yawing right, it then rolled left as the left sponson collapsed and the main rotor blades struck the ground at the pilots' 11 o'clock position. The aircraft yawed 120 degrees to the right before coming to rest on its left side, after which the crew conducted an emergency shutdown and egressed through the personnel door. There were no injuries or post-accident fire though flying debris damaged the surrounding hangars.							
4036	SOS: 2018 - Scrapp	ed by Dartmouth Me United Aircraft	tals in 2018					
124436	Sikorsky	Canada	61-347	CH-124A	Sea King			
	TOS : 14 August 197							
	Squadron at CFB Co			uadron, CFB Shearwater, 5.	NS. With No. 443			
	SOS: 2018 - Sold to	Rotor Maxx Support	- 13 Oct 2020					
4037 124437	Sikorsky	United Aircraft Canada	61-380	CH-124A / B / B-2	Sea King			
	TOS: 14 August 197	0 - renumbered from	RCN 4037					
	Huron in 1982. Onb CH-124B. One of 6	oard HMCS Fraser, A CH-124B updated wi 995. Converted to tro	Athabaskan and ith HELTAS to book transport o	, NS, dates not known. C d Protecteur in 1983. Co CH-124B-2 standard earl configuration during 2006,	nverted to y 1990s. At CFB			
	SOS: 2018 - Sold to	Rotor Maxx Support	- 14 Nov 2020					
4038 124438	Sikorsky	United Aircraft Canada	61-381	CH-124A	Sea King			
	TOS: 14 August 197	0 - renumbered from	RCN 4038					
	TOS: 14 August 1970 - renumbered from RCN 4038 Converted to CH-124A in 1975 / 1976, as a result of SKIP upgrade. With 423 Squadron, 1983, while onboard HMCS Skeena. Converted to Operation Friction configuration 1991, no change in designation. Operated in support of UN mission in Somolia, 1993, with nose FLIR mount. At CFB Shearwater in 1995. Crashed in North Sea on 2 February 2006, 18:34 UTC, in open water, at the Kattegat, NW of the island of Anholt, Denmark, while operating from HMCS Athabaskan in NATO exercise. Ship was assigned to Standing NATO Force Atlantic. The tail rotor / boom struck water during flare while attempting a night landing on board. The helicopter pitched forward, became airborne again, and began to yaw to the right. The helicopter then impacted the water in a near level attitude and, while still yawing right, rolled left. Water flooded the helicopter almost immediately as it rolled inverted. All five crewmembers then egressed and were recovered to the Athabaskan, by Zodiac, within approximately 15 minutes. One crewmember received minor injuries. The aircraft remained afloat for approximately one hour, and then sank in 16 m of water. The wreckage was hoisted to surface next day, taken to harbour of Aarhus, Denmark on barge. Cat "A" damage sustained. SOS: 02 Feb 2006 - Cat "A" write-off							



4039 124439	Sikorsky	United Aircraft Canada	61-382	CH-124A	Sea King					
	TOS: 14 August 1970 - renumbered from RCN 4039									
	With VT 406, CFB Shearwater, NS, in 1982. Still with this unit when it crashed on 4 August 1991 at air show in Schenectady, New York. Aircraft approached landing from a high hover, and apparently entered ring vortex state during descent, resulting in sudden and large increase in sink rate close to the ground. One landing gear sponson collapsed on impact causing the aircraft to roll onto its side, which then destroyed the main rotor blades prior to engine shutdown. Several minor crew injuries were experienced. Originally classified as Cat "B" (repairable), but later re-classified as Cat "A" write-off on 21 August 1991. To Aircraft Maintenance Development Unit at CFB Trenton on 25 August 1991.									
	SOS: 21 August 199	1 - Cat "A" write-of	f							
4040 124440	Sikorsky	United Aircraft Canada	61-383	CH-124A	Sea King					
	TOS: 14 August 197	0 - renumbered from	RCN 4040							
	commemorate 75th anose mount for FLIR Baltic Sea. Still oper to the UK, diverted to with NATO group in	With HS 50 at Shearwater when renumbered. This a/c received a special paint scheme to commemorate 75th anniversary of the RCAF. With 406 (HT) Squadron, CFB Shearwater. Received nose mount for FLIR. Onboard HMCS Ville de Quebec 23 September 2005, for NATO exercises in Baltic Sea. Still operating in North Sea on 7 October 2005. Seviceability problems during later visit to the UK, diverted to Stornoway for repairs. May have been on HMCS Halifax at that time? Still with NATO group in March 2006, when it visited Woensdrecht, Holland. Seen at De Kooy, Holland on 18 to 23 March 2006, reportedly off HMCS Athabaskan. On board HMCS Regina in 2013.								
	SOS: 2018 - Sold to	Rotor Maxx Support	t - 30 Oct 2019							
4041 124441	Sikorsky	United Aircraft Canada	61-384	CH-124A / B / B-2	Sea King					
	TOS: 14 August 1970 - renumbered from RCN 4041									
	With No. 423 Squadron at CFB Shearwater, NS, 1982. With 443 Squadron, onboard HMCS <i>Athabaskan</i> , in 1983. Converted to CH-124B. One of 6 CH-124B updated with HELTAS to CH-124B-2 standard early 1990s. Still with No. 423 Squadron, CFB Shearwater, in 1999. Converted to troop transport configuration during 2006, to support the new Standing Contingency Task Force (SCTF).									
	SOS: 2018 - Preserved at Shearwater Aviation Museum, Shearwater, NS									

ADDITIONAL NOTES

In summary, the RCN / RCAF received a total of 41 Sea King helicopters. It was referred to in RCN documentation as the CHSS-1 and in CF technical documentation as the "CH-124 Sea King".

Operating Units

The following units flew CH-124 Sea King helicopters:

- HS-50 (RCN), Shearwater, NS
- VX-10 (RCN), Shearwater, NS
- VT406 / No. 406 (Operational Training) Squadron, Shearwater, NS
- No. 423 (Maritime Helicopter) Squadron, Shearwater, NS
- No. 443 (Maritime Helicopter)) Squadron, Esquimault, BC
- Helicopter Operational Test & Evaluation Flight (HOTEF), Shearwater, NS
- Aerospace Engineering Test Establishment (AETE), Cold Lake AB



Aircraft (or Air Vehicle) Damage Level (ADL) Categories 1

The RCAF's ADL is a qualitative categorization system used to determine the level of damage sustained by an aircraft / air vehicle during an occurrence. The following damage level definitions are used to reflect the degree of damage:

Cat "A" = Destroyed / missing: The aircraft has been totally destroyed, is assessed as having suffered damage beyond economical repair or is declared "missing";

NB - Aircraft totally destroyed are normally written off the inventory. Accidents with a lower ADL may also subsequently result in administrative write-off of the aircraft for reasons (primarily economic) not directly related to the original damage assessment.

Cat "B" = Very Serious: The aircraft has sustained damage to multiple major components;

Cat "C" = Serious: The aircraft has sustained damage to a major component;

Cat "D" = Minor: The aircraft has sustained damage to non-major components; and

Cat "E" = Nil: The aircraft, including the power plant, has not been damaged.

Number of CF CH-124 Sea King Cat "A" write-offs = 14 (~ 34% of the total fleet)

Sea King Attrition Summary

NB: This is an excerpt of an article originally published in *Airforce* Magazine, (Winter, 2008). It is reprinted here with the permission of the publisher. The article provides an analysis of the fates of the lost *Sea Kings as follows:*

As the Maritime Helicopter community reflects on 40 years of CH-124 *Sea King* operational service, one sobering thought relates to the fact that only 27 of 41 original aircraft remain on the Canadian Forces inventory. Catastrophic accidents have claimed a total of 14 aircraft since the helicopter first entered military service in the mid-1960s, together with the loss of seven naval aviators. Given the unforgiving nature of low-level maritime aviation, and the unsavoury maritime elements, a 33 percent aircraft attrition rate over such a long period could be viewed as impressive on one hand, yet offer some cause for reflection on the other.

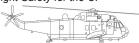
Calamitous aviation accidents tend to assume mythical proportions over time, ultimately become distorted through rumour, gossip and innuendo. Initially, the purpose of this article was merely to chronicle the circumstances surrounding each missing *Sea King* aircraft to distinguish fact from fiction. As the data was being compiled and reviewed, however, some intriguing trends began to emerge in the form of statistical tendencies.

The 55-year Saga (1969-2018). A snapshot synopsis of the 14 major *Sea King* accidents is provided in Table 1. This lists each aircraft loss in chronological order along with pertinent investigative details.

Table 1 - CH-124 Sea King Attrition

Ser.	A/C#	Date	Accident Location	Salvage	Fatality	Cause (Primary)
1	402	Nov 67	At Sea	No	2	Pilot - Fatigue
2	427	Feb 68	At Sea	No	0	Engine - Failure

¹ Drawn from: A-GA-135-001/AA-001 Manual of Flight Safety for the CF



3	415	Jun 69	At Sea	No	0	Engine - Compressor
4	420	Nov 71	At Sea	No	3	Engine - Failure
5	432	Nov 72	Shearwater	N/A	0	Pilot – Tail Rotor
6	418	Apr 73	Off Halifax	No	0	Engine - Failure
7	409	Nov 87	Off Halifax	Yes	0	MGB – Chip Lights
8	411	Sep 89	At Sea	No	0	MGB - Oil Loss
9	439	Aug 91	Schenectady, NY	N/A	0	Pilot – Vortex Ring
10	423	Feb 93	At Sea	Yes	0	Electrical - Battery
11	425	Apr 94	Saint John, NB	N/A	2	Engine - Fire
12	422	Jun 00	At Sea	No	0	MGB – Overheat
13	401	Feb 03	At Sea	Yes	0	Engine – Power Loss
14	438	Feb 06	At Sea	Yes	0	Pilot

It readily becomes apparent that engines, transmissions (MGB – Main Gear Boxes), and personnel input were the three primary cause ingredients related to *Sea King* attrition. Such findings tend to confirm the late-1990s NDHQ decision to upgrade the *Sea King* fleet with enhanced GE MK100 engines and 24000 series MGBs was appropriate. Indeed, the documented evidence suggests that the improved engine and transmission programs most likely saved many aircraft and lives.

While only seven human fatalities are associated with the Table 1 accident summary review, eight airmen were actually lost on *Sea Kings* over this 55-year period. The eighth aircrew fatality was a Naval Aircrewman, P1 (Royal Navy) Ron Greenbury, who was declared missing on Mar 22, 1967 during a night low-level training mission in the Shearwater dip sectors. Indicating that he was moving to the rear cabin area to investigate a fuel leak, the aircrewman disappeared – never to be seen again. Despite an exhaustive search of the aircraft and the training area, no trace of the missing airman has ever been found. His fate remains a mystery to the present day.

Epilogue

Following the retirement of the Sea King helicopter in December 2018, the Department of National Defence and Public Services and Procurement Canada developed a divestment plan for the venerable aircraft. Nine helicopters were selected to be displayed publicly and one was kept as a training aid. The remaining fifteen aircraft were identified for sale to a qualified bidder. Rotor Maxx Support (RMS) Limited, a Canadian-based company in BC, was the eventual successful bidder and purchased these helicopters along with associated spare parts. The company intends on refurbishing the aircraft and remarketing them to eligible customers. The 15 ex-CH-124s will complement RMS's current fleet of eight civilian S61s and allow for expansion of its existing aircraft leasing/sale and total aircraft support (TAS) programs. The acquisition includes a significant inventory of parts, tooling and equipment which, when



added to RMS's already comprehensive stock, will contribute extensively to the TAS program included with each aircraft delivery.

ABBREVIATIONS

AB Alberta (Canada) BC = British Columbia (Canada) CF Canadian Forces = CFB Canadian Forces Base = C/N Construction Number = FE Flight Engineer Flight Flt NF Newfoundland (Canada) = NS Nova Scotia (Canada) Ontario (Canada) ON Operational Training Unit OTU = Royal Canadian Air Force **RCAF** Royal Canadian Navy RCN SK Saskatchewan (Canada) = S/N Serial Number Sqn Squadron = Struck Off Strength SOS Taken On Strength TOS UK United Kingdom

RCAF RANKS (After 1968)

RCN RANKS (Before 1968)

Private	-	Pte	Ordinary Seaman	- O/S
Corporal	-	Cpl	Able Seaman	- A/S
Master Corporal	-	MCpl	Leading Seaman	- L/S
Sergeant	-	Sgt	Petty Officer 2nd class	- PO 2nd
Warrant Officer	-	WO	Petty Officer 1st class	- PO 1st
Master Warrant Officer	-	MWO	Chief Petty Officer 2nd class	- CPO 2nd
Chief Warrant Officer	-	CWO	Chief Petty Officer 1st class	- CPO 1st
Officer Cadet		Ocdt	Midshipman	- Mid
2nd Lieutenant	-	2nd Lt	Acting Sub-Lieutenant	- AS/Lt
1st Lieutenant	-	Lt	Sub-Lieutenant	- S/Lt
Captain	-	Capt	Lieutenant (N)	- Lt (N)
Major	-	Maj	Lieutenant Commander	- LtCdr
Lieutenant Colonel	-	LCol	Commander	- Cdr
Colonel	-	Col	Captain (N)	- Capt (N)
Brigadier General	-	BGen	Commodore	- Cmdre
Major General	-	MGen	Rear Admiral	- RAdm
Lieutenant General	-	LGen	Vice Admiral	- VAdm

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- Facebook posting / CH-124 list on Canadian Military Aircraft Group by Barry MacLeod

(Updated as of May 2023)

