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**SOLICITATION
AMENDMENT**

**MODIFICATION DE
L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments: - Commentaries :

THIS DOCUMENT CONTAINS A SECURITY REQUIREMENT

LE PRÉSENT DOCUMENT COMPORTE UNE EXIGENCE EN MATIÈRE DE SÉCURITÉ

Title – Sujet 5-year Corrosion Inspection		Date 2022-02-15
Solicitation No. – N° de l'invitation 202200009/A		Amendment No. – N° de la modification 3
Client Reference No. - No. De Référence du Client		
Solicitation Closes – L'invitation prend fin		
At / à :	14 :00	EST (Eastern Standard Time) HNE (heure normale de l'Est)
On / le :	2022-02-18	
F.O.B. – F.A.B	GST – TPS	Duty – Droits
Destination of Goods and Services – Destinations des biens et services		
Instructions		
Address Inquiries to – Adresser toute demande de renseignements à Anouk St-Aubin Anouk.st-aubin@rcmp-grc.gc.ca		
Telephone No. – No. de téléphone 438-462-2984	Facsimile No. – No. de télécopieur	

Delivery Required – Livraison exigée	Delivery Offered – Livraison proposée
Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:	
Telephone No. – No. de téléphone	Facsimile No. – No. de télécopieur
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) – Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date



This amendment is raised to address the following:

- To respond to questions received during the solicitation period

QUESTIONS AND ANSWERS

From Annex A - Statement of Work

QUESTION 1

Item 4.2 – Overhaul of the Main Landing Gear Assy's. (RCMP will provide the option to supply unserviceable main gear assemblies for overhaul prior to Aircraft arriving to meet completion timelines.) In order to meet the completion timeline of 42 days this option **must** be exercised as current turnaround time on main gear overhauls is lengthy*. Please see below for questions related to the unserviceable main gear assemblies being offered by the RCMP for this item.

QUESTION 1a)

Will the exchange set of main gear assemblies include Axles, Stay Bars, Platens, Wheels, Brakes?

ANSWER 1a)

Includes axles and Stay Bars only

QUESTION 1b)

Does the exchange gear include/have a Ski Axle? Compression blocks, rebound block?

ANSWER 1b)

None of these items

QUESTION 1c)

Will the RCMP provide component cards for the exchange gear with times/cycles since last overhaul, and confirm the exchange gear has been subjected to SB # V6/0016?

ANSWER 1c)

Exchange gear is subject to SB V6/0016.
Component cards will be provided at contract award
Teardown report from gear inspection attached.

QUESTION 1d)



*It must be noted that if weld and/or other repairs are required on this exchange gear, the turnaround times can reach several (1-3) months.

ANSWER 1d)

RCMP provided unserviceable gear can be used as exchange core should overhaul time be found excessive.

QUESTION 2

Item 4.3 – Overhaul of Nose Landing Gear # 71-100-31. (RCMP will provide the option to supply unserviceable nose gear assembly for overhaul prior to Aircraft arriving to meet completion timelines.) In order to meet the completion timeline of 42 days this option **must** be exercised as current turnaround time on nose gear overhaul is lengthy*. Please see below for questions related to the unserviceable nose gear assembly being offered by the RCMP for this item.

QUESTION 2a)

Will this exchange nose gear assembly unit include the Axle & Wheel?

ANSWER 2a)

No axle or wheel

QUESTION 2b)

Will the RCMP provide component cards for the exchange gear with times/cycles since last overhaul, and confirm if the exchange gear requires any additional MODS/SB's? Current Post Mod status of the nose gear assembly is 71-100-37.

ANSWER 2b)

Component cards will be provided at contract award
Teardown report from gear inspection attached.

QUESTION 2c)

*It must be noted that if weld and/or other repairs are required on this exchange gear, the turnaround times can reach several (1-3) months.

ANSWER 2c)

RCMP provided unserviceable gear can be used as exchange core should overhaul time be found excessive.

QUESTION 3



Item 4.6 – Replace All Primary Flight control cables

Please confirm if the aircraft has Stainless Steel or Carbon Steel Cables.

ANSWER 3

Carbon steel cables are provided by RCMP

QUESTION 4

Item 4.8 – Remove, Inspect & Re-Install all 8 Fuel cells & inspect structure for integrity / corrosion –

QUESTION 4A)

Please provide a list of the gaskets and seals that will be provided by the RCMP for this work scope.

ANSWER 4a)

Gaskets for fuel cells removal/instillation per AMM/IPC to be provided by RCMP.

QUESTION 4b)

Is it the intention of the RCMP to supply a second set of certified bladders for installation? Or are the original bladders to be re-installed?

ANSWER 4b)

Spare set of certified bladders to be delivered with aircraft to vendor.

QUESTION 5

Item 4.12 – Flight and Flap Control Rod Inspection –

Please provide current MOD status on the flight and flap control rods installed in the aircraft.

ANSWER 5

Mod 6/1781 has been incorporated and has 6061-T3 Flap Control Rods

QUESTION 6

Item 4.21 – Install New Cable Pulleys at STN. 270.3 –

Please confirm if these parts need to be supplied by Viking for this item.

ANSWER 6



Pulleys supplied by RCMP

QUESTION 7

Item 4.24 – Overall Paint Touch Ups

QUESTION 7a)

Please provide the brand and paint system used on the aircraft so we can confirm codes and availability of product.

ANSWER 7a)

Brand Akzo Nobel Base coat clear coat system. Paint codes have already been included in SOW

QUESTION 7b)

Can the RCMP provide some pictures of the areas where the paint touch ups will be required?

ANSWER 7b)

Vendor to quote on touch ups required as a result of structural work carried out. IE: 4.23 Replace Fuselage lower Frame Stn 218.8 and 4.29 Deskin Airstair door

QUESTION 7c)

Is the expectation that affected areas such as exhaust tracks are stripped and re-painted? Or are spot touch ups sufficient?

ANSWER 7c)

Spot t-ups are sufficient

QUESTION 8

Item 4.27 - Strip inner shell of Airstair Door

QUESTION 8a)

What is the MOD status / Part # of this door?



ANSWER 8a)

Bick Airstair Door PN B60900

QUESTION 8b)

Does this door have any STC's, repairs or modifications that would affect this scope of work?

ANSWER 8b)

STC SA87-4 / FAA STC SA612NE

QUESTION 8c)

Are there any known issues with the door that can be communicated in advance? Getting parts for this door can be very challenging & problematic.

ANSWER 8c)

No known issues.

QUESTION 9

Item 4.29 – De-skin Airstair door

QUESTION 9a)

What is the MOD status / Part # of this door?

ANSWER 9a)

Bick Airstair Door PN B60900 STA

QUESTION 9b)

Does this door have any STC's, repairs or modifications that would affect this scope of work?

ANSWER 9b)

SA87-4 FAA STC SA612NE

QUESTION 9c)



Are there any known issues with the door that can be communicated in advance? Getting parts for this door can be very challenging & problematic.

ANSWER 9c)

No known issues.

QUESTION 10

Item 4.32 – Scheduled Maintenance (Calendar/12 Month Items) –

Will any other scheduled maintenance activities be required? Routine A & E, SP Card 3 Month / 6 Month Inspections?

ANSWER 10

Please refers to RFP - section **7.7.1.2 Additional Work**

QUESTION 11

Item 4.33 – Install USB Charging Port –

QUESTION 11a)

Is the expectation that this will be documented as a “Minor Mod”?

ANSWER 11a)

Correct- minor mod

QUESTION 11b)

Will an Electrical Load Analysis (ELA) report / update be required?

ANSWER 11b)

No



Teardown Report

Work Order Estimate

Quote#:

Date Printed: 8/24/2021

Time: 11:45:08 AM

Page: 1

ShipTo:

Royal Canadian Mounted Police Air Services

Code: 114465

PN: 71-100-31

Descr: NOSE STRUT ASSY W/STR AC

Quantity: 1

Station: MAIN LANDING GE

Serial Numbers: H578

Faults:

PRELIMINARY INSPECTION PERFORMED PRELIMINARY/HIDDEN DAMAGE INSPECTION I.A.W.- SERVICES REPAIR STATION AND QUALITY MANUAL REV 16 DATED 19 MARCH 2021. NO HIDDEN DAMAGE NOTED. VERIFIED PIN 71-100-31 AND S/N H578. PART IS ON CAP LIST. OVERHAUL I.A.W. DHC-6 OVERHAUL MANUAL HEROUX P/N 71-100 REV 8 DATED 8/26/2020. ARRIVED WITH STEERING ACTUATOR P/N 71-190-13 SIN H441 TO BE OVERHAULED ON W.O. J26595 AND REINSTALLED AT COMPLETION. INSPECTED 8/3/2021.

TEARDOWN DISASSEMBLED, CLEANED AND REMOVED PAINT I.A.W. DHC-6 OVERHAUL MANUAL HEROUX P/N 71-100 REV 8 DATED 8/26/2020. PERFORMED ON 8/5/2021.

INSPECTED INSPECTED I.A.W. DHC-6 OVERHAUL MANUAL HEROUX PIN 71-100 REV 8 DATED 8/26/2020. HAS ALUMINUM STEERING COLLAR P/N 71-161-11. JOURNAL BEARING IS WORN. FLOATING PISTON HAS DEEP GOUGES AT BUMPER MATTING LOCATION AND NEEDS REPLACED. CARTRIDGE ASSEMBLY HAS DEEP CORROSION. LOCK BOLTS #43A ARE WORN. LOCKING CLIP #91 HAS BEEN GROUND DOWN. UPPER TORQUE ARM IS WORN AT LATCH PIN LOCATION AND NEEDS REPLACED. LOCK NUT #36A HAS DEEP PITTING. BUMPER IS WORN. BUSHINGS # 53, #113 AND #151 ARE WORN. CYLINDER HAS SOME PITTING AT JOURNAL BEARING LOCATION AND HAS IMPACT DAMAGE FROM STEERING COLLAR THAT EXTENDS EXTERNAL TO INTERNAL. **SLEEVE IS STUCK INSIDE CYLINDER AND CAN'T BE REMOVED FOR INSPECTION.** NO OTHER DEFECTS NOTED. INSPECTED 8/5/2021.

NDT INSPECTION PERFORMED FLUORESCENT PENETRANT AND MAGNETIC PARTICLE INSPECTION (SEE ATTACHED PARTSLIST) IAW ASTM-E 1417-16, ASTM-E 1444-16, AND — SERVICES RSQM REV. 16 19 MAR 21 APPENDIX "A".
NO DEFECTS NOTED. 08/06/21

<i>PN</i>	<i>Description</i>	<i>Activity</i>	<i>QtyNeeded</i>	<i>CD</i>
05DU08	BUSHING	Consumable		NE
71STRUTKIT	KITS FOR STRUT	Consumable		NE
AN4-31A	BOLT: HEX HD,ST	Consumable	2	NE



Work Order Estimate

Quote#:

Date Printed: 8/24/2021

Time: 12:01:00 PM

Page: 2

ShipTo:

Royal Canadian Mounted Police Air Services

Code: 114465

PN: 71-100-31

Descr: NOSE STRUT ASSY W/STR AC

Quantity: 1

Station: MAIN LANDING GE

05DU08	BUSHING	Consumable		NE
08DU10	BUSHING	Consumable	2	NE
08DU14	BUSHING	Consumable		NE
71STRUTKIT	KITS FOR STRUT	Consumable		NE
AN4-31A	BOLT: HEX HD ST	Consumable	2	NE
AN960C416L	WASHER	Consumable	2	NE
DISCOUNT	25% OFF PMA SUB COMPONI	Consumable	0	
MS20364-428	NUT	Consumable	2	NE
MS9047-002	PIN	Consumable	2	NE
MS9047-066	PIN	Consumable	2	NE
PDM71-060-5	LOCKINGKEY	Consumable		NE
PDM71-062-5	BUSHING	Consumable		NE
PDM71-081-7	CARTRIDGE ASSEMBLY	Consumable		NE
PDM71-102-5	UPPER TORQUE ARM	Consumable		NE
PDM71-111-15	CYLINDER	Consumable		NE
PDM71-156-11	LOCKNUT	Consumable		NE
PDM71-164-1	BUSHING	Consumable	2	NE
PDM71-189-5	BUSHING	Consumable	4	NE
PDM71-194-1	PIVOT	Consumable		NE
PDM71-315-3	CHAIN ASSEMBLY	Consumable		NE



Work Order Estimate

Quote#:

Date Printed: 8/24/2021

Time: 12:01:05 PM

Page: 3

ShipTo:

Royal Canadian Mounted Police Air Services

Code: 114465	PN: 71-100-31	Descr: NOSE STRUT ASSY W/STR AC
Quantity: 1	Station: MAIN LANDING GE	

PDM71-317-1	SLEEVE	Consumable		NE
PDM71-323-1	FRICTION DISK	Consumable		NE
PDM71-332-1	FLOATING PISTON	Consumable		NE
PDM71-335-5	JOURNAL BEARING	Consumable		NE
PDM71-340-1	LOCKBOLT	Consumable	2	NE
PDMJ-12866-3	BUMPER	Consumable		NE
STANDARD OVERHAUL		Work Order		OC <small>www</small>



Work Order Estimate

Quote#:

Date Printed: 9/13/2021

Time: 7:25:22 AM

Page: 1

ShipTo:

Royal Canadian Mounted Police Air Services

Code: 114465

Site:

PN: 71-190-13

Descr: ACTUATOR AND LINK ASSEM

Quantity: 1

Station: HYDRAULIC

Make:

Model:

Serial Numbers: H441

Symptoms:

OVERHAUL | EVAL FOR OVERHAUL

Faults:

PRELIMINARY INSPECTION PERFORMED PRELIMINARY AND HIDDEN DAMAGE INSPECTION I.A.W THE SERVICES REPAIR STATION QUALITY MANUAL, REV. 16, 19 MARCH 2021. NO HIDDEN DAMAGE NOTED. VERIFIED P/N 71-190-13 AND S/N IS H441 PART IS ON THE CAP LIST. OVERHAUL I.A.W. NOSE STEERING ACTUATOR OVERHAUL MANUAL, 32-50-11, REV. 5, DATED 20 SEP2012. UNIT ARRIVED WITH INLET LINES AND RETURN LINE WITH CHECK VALVE ATTACHED NO DEFECTS OR MISSING PARTS NOTED AT THIS TIME. INSPECTED 8/4/2021.

PRELIMINARY TESTING STEERING ACTUATOR FAILED PRELIMINARY TESTING PROCEDURES IAW DHC-6 OVERHAUL MANUAL 71-190 NWS ACTUATOR AND LINKS SUB ASSEMBLY, CHAPTER 32-50-11, REV. 5, DATED 20SEPT2012. INLET CRACKING PRESSURE 21 psi. RELIEF VALVE CRACKS @: A:1000 / B:1950. 1.2GPM @: A:1850 B: 2000 PSI. RESEAT PRESSURE @: A: 500 B:1500. 1000 psi @ TEST PORT B: 1.2 GPM. LEAKAGE FLOW AT RETURN :0 CC'S PER MIN. UNIT FAILED PROOF PRESSURE TEST. LEAKING AT AIR BREATHER PLUG. CREEP RATE: .00 IN/MIN. PISTON CAN NOT BE MOVED BY HAND. EXTENSION RATE TEST EXTEND IS N/A RETRACT IS N/A. NO OTHER DEFECTS NOTED AT THIS TIME. WORK PERFORMED 8/4/2021.

TEARDOWN REMOVED PAINT, DISASSEMBLED AND CLEANED I.A.W. NOSE STEERING ACTUATOR OVERHAUL MANUAL, 32-50-11, REV. 5, DATED 20 SEP 2012. REQ. REPLACEMENT OF FIG# 12 LEVER BUSHINGS (2) AND POSSABLY FIG -58 RELIEF VALVE ASSEMBLY. WILL TRY CLEAN AND LAP BEFORE REPLACEMENT. PERFORMED 8/5/21.



Work Order Estimate

Quote#:
 Date Printed: 9/13/2021
 Time: 7:25:25 AM
 Page: 2

Ship To:
Royal Canadian Mounted Police Air Services

<u>Code:</u> Quantity: 1	<u>Site:</u> Station: HYDRAULIC	<u>PN:</u> 71-190-13 <u>Make:</u>	<u>Desc:</u> ACTUATOR AND LINK ASSEM <u>Model:</u>
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INSPECTED INSPECTED LA.W. NOSE STEERING ACTUATOR OVERHAUL MANUAL, 32-50-11, REY. 5, DATED 20 SEP 2012. LEVER SUB ASSEMBLY, LEVER BUSHINGS FIG# 12. X 2 ARE OUT OF SERVICE LIMITS REQ REPLACEMENT AND POSSABLE REPLACEMENT OF THE RELIEF VALVE ASSEMBLY FIG# -58 WILL ATTEMPTED LAPPING FIRST BEFORE REPLACEMENT IS REQ. REPLACE SEALS AND STANDARD HARDWARE. NO OTHER DEFECTS NOTED. INSPECTED 8/5/2021.

NDT INSPECTION PERFORMED FLUORESCENT PENETRANT AND MAGNETIC PARTICLE INSPECTION (SEE ATTACHED PARTS LIST) IAW ASTM-E 1417-16, ASTM-E 1444-16, AND-SERVICES RSQM REY. 1619 MAR 21 APPENDIX "A". NO DEFECTS NOTED. 08/06/21

<u>PN</u>	<u>Description</u>	<u>Activity</u>	<u>QtyNeeded</u>	<u>CD</u>
06DU06	BUSHING <u>BEARING.ST.</u>	Consumable	2	NE
71-227-1	SPACER	Consumable		NE
71-261-1	VALVE	Consumable		NE
71KIT	KITS FOR NSW ACTUATORS	Consumable		NE
MS24665-300	PIN <u>COTTER.ST.</u>	Consumable		NE
MS24665-300	PIN: <u>COTTER.ST.</u>	Consumable		NE
MS24665-300	PIN: <u>COTTER.ST.</u>	Consumable		NE
NAS1515-M12L	WASHER	Consumable	4	NE
PDM71-166-1	NLG OUST RING (SEAL)	Consumable	2	NE
STANDARD OVERHAUL		Won< Order		<u>OC</u>



Work Order Estimate

Quote#:
Date Printed: 9/13/2021
Time: 7:35:07 AM
Page: 1

Ship To:
Royal Canadian Mounted Police Air Services

Code: [REDACTED]	Site:	PN: C6UM1110-9SP	Desc:
Quantity: 1	Station: MAIN LANDING GE	Make:	Model:

Serial Numbers: 1036VJ

Symptoms:

LHLEG SUB EVAL FOR OVERHAUL
ASSY
OVERHAUL

Faults:

PRELIMINARY INSPECTION PERFORMED PRELIMINARY/HIDDEN DAMAGE INSPECTION I.A.W. SERVICES REPAIR STATION AND QUALITY MANUAL REV 16 DATED 19 MARCH 2021. NO HIDDEN [REDACTED] DAMAGE NOTED. VERIFIED P/N C6UM1110-9SP AND S/N: FW897 ON DATA PLATE AND STAMPED. PART IS ON THE CAP LIST. AXLE, UNIVERSAL STAYBAR AND LEG ONLY. OVERHAUL MAIN LANDING GEAR I.A.W. TB V6/00063 REV A DATED 25 JUN 2019, TB V6/00064 REV A DATED 23 JAN 2019, AND VIKING S/B V6/0016 REV B DATED 23 MAY 2018. OVERHAUL COMPONENTS I.A.W. VIKING DHC-6 MAINTENANCE MANUAL PSM 1-63-2 REV 21 DATED 28 SEPT 2018 AND STRUCTURAL REPAIR MANUAL PSM 1-6-3 REV 10 DATED 18 MAY 2018. INSPECTED 8/3/2021

TEARDOWN CLEANED INTERNALLY AND REMOVED EXTERNAL COATINGS I.A.W. TB V6/00063 REV A DATED 25 JUN 2019, TB V6/00064 REV A DATED 23 JAN 2019, AND VIKING S/B V6/0016 REV B DATED 23 MAY 2018. BORESCOPE CHECKS GOOD. CLEANED STAYBAR AND AXLE I.A.W. COMPONENTS I.A.W. VIKING DHC-6 MAINTENANCE MANUAL PSM 1-63-2 REV 21 DATED 28 SEPT 2018 AND STRUCTURAL REPAIR MANUAL PSM 1-6-3 REV 10 DATED 18 MAY 2018. PERFORMED ON 8/16/21

INSPECTED **INSPECTED** I.A.W. TB V6/00063 REV A DATED 25 JUN 2019, TB V6/00064 REV A DATED 23 JAN 2019, AND VIKING S/B V6/0016 REV B DATED 23 MAY 2018. PASSED PIVOT EAR DIMENSIONS. ALL DIMENSIONS CHECK GOOD. INSPECTED STAYBAR AND AXLE I.A.W. VIKING DHC-6 MAINTENANCE MANUAL PSM 1-63-2 REV 21 DATED 28 SEPT 2018 AND STRUCTURAL REPAIR MANUAL PSM 1-6-3 REV 10 DATED 18 MAY 2018. NO DEFECTS NOTED. INSPECTED 8/16/21.

NDT INSPECTION PERFORMED 100% FLUORESCENT PENETRANT AND MAGNETIC PARTICLE INSPECTION IN ACCORDANCE WITH DHC-6 OVERHAUL [REDACTED] MANUAL C6U1103 REVISION 7, 07 DEC 11, VPS 44.03 REVISION3, 27 JAN 15, ASTM-E 1444-16, [REDACTED] ASTM-E 1417-16, SERVICES RSQM REV. 16 19 MAR 21 APPENDIX"A". NO DEFECTS NOTED. 08/16/21



Work Order Estimate

Quote#:
Page: 1

ShipTo:
Royal Canadian Mounted Police Air Services

<u>Ref#:</u> <u>Code:</u> 114465 Quantity: 1	<u>Phone#:</u> <u>Site:</u> Station: MAIN LANDING GEI	<u>Fax#:</u> <u>PN:</u> C6UM1110-9SP <u>Make:</u>	<u>Email:</u> <u>Descr:</u> LHLEG SUB ASSY <u>Model:</u>
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AN960-816	WASHER	Consumable		NE
C6U1156-27	WASHERSHIM	Consumable		NE
C6U1210-STDOH	STANDARD OH STAY BAR	0/HCHARGE		OC
C6UM1110KIT	KITFORMLG	Consumable		NE
C6UM1134-27STDOH	STANDARD OH OF AXLE	Consumable		OC
MS20002-6	WASHER: PLAIN,ST	Consumable		NE
MS20364-820	NUT	Consumable		NE
MS24665-306	PIN: COTTER,ST	Consumable	2	NE
NAS336CA12	BOLT	Consumable	2	NE
NAS464P8LA53	BOLT	Consumable		NE
STANDARD OVERHAUL		Work Order		OC



Work Order Estimate

Quote#:

Date Printed: 9/13/2021

Time: 7:50:26 AM

Page: 1

~~Ship To:~~

Royal Canadian Mounted Police Air Services

Code:114465

Site:

PN: C6UM1110-10SP

~~Descr:~~ RH LEG SUB ASSY

Quantity:1

Station: MAINLANDING GE

Make:

Model:

Serial Numbers: 0117VF

OVERHAUL

EVAL FOR OVERHAUL

Faults:

PRELIMINARY INSPECTION PERFORMED PRELIMINARY/HIDDEN DAMAGE INSPECTION I.A.W.- SERVICES REPAIR STATION AND QUALITY MANUAL REV 16 DATED 19 MARCH 2021. NO HIDDEN DAMAGE NOTED. VERIFIED PIN C6UM1110-10SP AND S/N 0117VF ON DATA PLATE AND STAMPED. PARTS ON THE CAP LIST. AXLE, UNIVERSAL STAYBAR AND LEG ONLY. OVERHAUL MAIN LANDING GEAR I.A.W. TB V6/00063 REVA DATED 25 JUN 2019, TB V6/00064 REVA DATED 23 JAN 2019, AND VIKING S/B V6/0016 REV B DATED 23 MAY 2018. OVERHAUL COMPONENTS I.A.W. VIKING DHC-6 MAINTENANCE MANUAL PSM 1-63-2 REV 21 DATED 28 SEPT 2018 AND STRUCTURAL REPAIR MANUAL PSM 1-6-3 REV 10 DATED 18 MAY 2018. INSPECTED 8/3/2021

TEARDOWN

REMOVED AXLE AND UNIVERSAL STAYBAR CLEANED INTERNALLY. BORESCOPE CHECKS GOOD. REMOVED INTERNAL AND EXTERNAL COATINGS I.A.W. TB V6/00063 REVA DATED 25 JUN 2019, TB V6/00064 REVA DATED 23 JAN 2019, AND VIKING S/B V6/0016 REV B DATED 23 MAY 2018. CLEANED AXLE AND UNIVERSAL STAYBAR I.A.W. VIKING DHC-6 MAINTENANCE MANUAL PSM 1-63-2 REV 21 DATED 28 SEPT 2018 AND STRUCTURAL REPAIR MANUAL PSM1-6-3 REV 10 DATED 18 MAY 2018. PERFORMED ON 8/24/21

INSPECTED

INSPECTED I.A.W. TB V6/00063 REVA DATED 25 JUN 2019, TB V6/00064 REVA DATED 23 JAN 2019, AND VIKING S/B V6/0016 REV B DATED 23 MAY 2018. PASSED PIVOT EAR DIMENSIONS. ALL LEG DIMENSIONS CHECK GOOD. INSPECTED AXLE AND UNIVERSAL STAYBAR I.A.W. VIKING DHC-6 MAINTENANCE MANUAL PSM 1-63-2 REV 21 DATED 28 SEPT 2018 AND STRUCTURAL REPAIR MANUAL PSM 1-6-3 REV 10 DATED 18 MAY 2018. AXLE HAS BEEN PLATED AND THE PLATING IS CHIPPING OFF. AXLE NEEDS REPLACED. NO OTHER DEFECTS NOTED. INSPECTED 8/24/21.

NDT INSPECTION

PERFORMED MAGNETIC PARTICLE INSPECTION ON RH MLG AND COMPONENTS (SEE ATTACHED PARTS LIST) I.A.W. TB V6/00064 REV. A 23 JAN 19 INSPECTION OF LANDING GEAR, ASTM-E 1444-2016. SERVICES RSQM REV1619 MAR 21 APPENDIX "A".

*AXLE (C6UM1134-27) FOUND TO HAVE SURFACE/SUBSURFACE CORROSION AT BOLT HOLE AS WELL AS



Work Order Estimate

Quote#:
Date Printed: 9/13/2021
Time: 7:50:29 AM
Page: 2

Ship To:
Royal Canadian Mounted Police Air Services

Code: 114465	Site:	PN: C6UM1110-10SP	<u>Descr:</u> RHLEG SUB ASSY
Quantity: 1	Station: MAIN LANDING <u>GEI</u>	<u>Make:</u>	<u>Model:</u>

CRACKED AND FLAKING PLATING •
 •LANDING GEAR LEG C6UM1110-10-SP HAS 2 INCH CRACK ON Y-JOINT UPPER SURFACE •
 ALL OTHER COMPONENTS NO DEFECTS NOTED. 08/24/21

	<u>ption</u>	<u>Activity</u>	<u>QtyNeeded</u>	<u>CD</u>
AN960-816	WASHER	Consumable		NE
C6U1156-27	WASHERSHIM	<u>Consumable</u>		NE
C6UM1110-10WELD	RHMLG W/ WELD REPAIR	Repair		REP
C6UM1110KIT	KITFORMLG	Consumable		NE
MS20002-6	WASHER: <u>PLAIN ST</u>	<u>Consumable</u>		NE
MS20364-820	NUT	<u>Consumable</u>		NE
MS24665-306	PIN: <u>COTTER ST</u>	Consumable	2	NE
NAS336CA12	BOLT	Consumable	2	NE
NAS464P8LA53	BOLT	Consumable		NE
PDMC6UM1134-27	MLGAXLE	<u>Consumable</u>		NE
STANDARD OVERHAUL		Work Order		<u>OC</u>