

# HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,  
 AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: <b>SR01401NY</b>		<b>Sikorsky S-61</b>	
STC Holder: Canadian Helicopters Limited 4391 Agar Drive Vancouver International Airport Richmond, BC V7B 1A5, Canada			
STC Issue Date:	2001 OCT		
STC Reissue Date:			
Applicable to:	S-61N / L		
HUMS Model:	VXP HUMS		
NOTE:			
<p><b>SUMMARY:</b></p> <p>The VXP Kit is designed to conduct routine vibration management functions, with no changes required in the mandatory maintenance functions of the maintenance manual. The system utilizes its vibration monitoring capability to make discretionary rotor and balance adjustments. No pilot interface is required during flight operations. The Rotor Track &amp; Balance (RT&amp;B) solution generated on-board and downloaded to the PC ground station for display to the maintenance personnel.</p> <p>The on-board system automatically acquires and processes sensor data, continuously monitors real-time condition and health indices, records aircraft intelligent information and saves data for post-flight analysis in the ground station.</p> <p>The systems provides:</p> <ul style="list-style-type: none"> <li>• Rotor Track &amp; Balance solution</li> <li>• Engine and drive train vibration monitoring</li> <li>• Real time, continuous monitoring of engine and dynamic component health and usage without human intervention</li> <li>• Operational usage accumulation and recording</li> <li>• Integrated and automated aircraft maintenance functions to eliminate the need for ground support equipment</li> </ul> <p>Software provided with the ground station assists maintenance personnel to perform aircraft maintenance and troubleshooting. For QA personnel, the software allows the review of the aircraft condition and health status, perform analysis, trending, and analysis to generate maintenance action (work order).</p> <p>Operators are utilizing the information from the VXP to enhance safety, reduce maintenance costs, and increase aircraft availability.</p>			

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<p><b>MAJOR COMPONENT PART NUMBERS:</b></p> <table border="1"> <thead> <tr> <th>Part Number</th> <th>Qty</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>901-15175</td> <td>1</td> <td>Data Acquisition Unit</td> </tr> <tr> <td>915-15702</td> <td>1</td> <td>Cabin / Tail Wiring Kit</td> </tr> <tr> <td>915-18202</td> <td>1</td> <td>Ground Kit</td> </tr> <tr> <td>901-11800-3</td> <td>1</td> <td>FasTrak Optical Tracker</td> </tr> </tbody> </table>		Part Number	Qty	Description	901-15175	1	Data Acquisition Unit	915-15702	1	Cabin / Tail Wiring Kit	915-18202	1	Ground Kit	901-11800-3	1	FasTrak Optical Tracker
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<p><b>SENSORS:</b> 12 Vibration Accelerometers and 2 Tachometers/Photocells as shown below</p>																
<p><b>INSTALL LOCATIONS:</b></p>																
<p><b>OPTIONS:</b></p>																

For technical support and additional information, please contact:

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