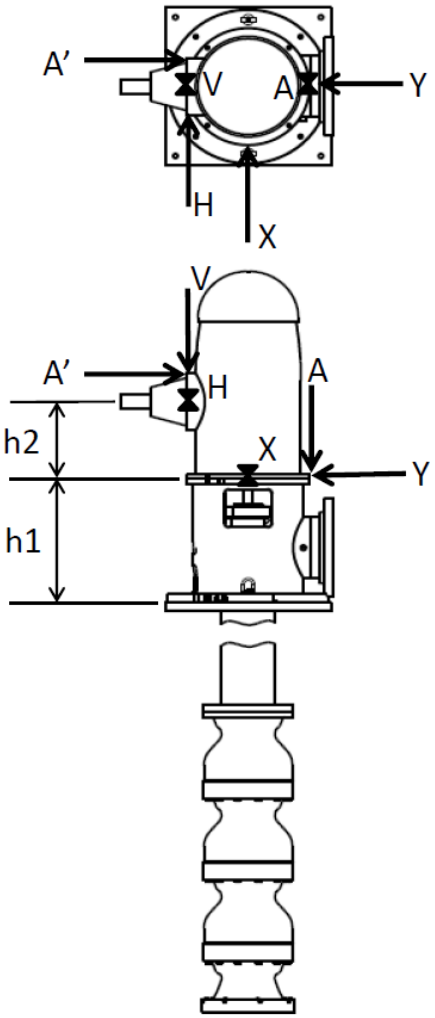
Minimum fields for useful survey information highlighted in yellow.

Vertically-Suspended Pump with Gearbox Vibration Survey

Subject Pump		Subject Gearbox and Driver	
Pump Manufacturer		Gearbox Manufacturer	
Pump Type (VS1, VS2, etc.)		Gearbox Type (right-angle, vertical, etc.)	
Pump Model		Gear Ratio (input-to-output)	
Discharge Nozzle Size		Gearbox Serial Number	
Pump Serial Number		Coupling Type (flexible spacer, torsional dampening, Cardan shaft, etc.)	
BEP Capacity (GPM)**		Heights h1 / h2 (Inch)	/
BEP Head (Feet)**		Driver Type (motor, diesel engine, gasoline engine, natural gas, etc.)*	
BEP Speed (RPM)		Driver Rated Power (BHP)	
		Shaft/Coupling Length (inches)	



Test Condition Description	
Test Geographic Location	
Pump Mounting Type (concrete foundation or steel structure)	
Driver Mounting Type (concrete, steel, rigid or flexible, common w/ pump, etch.)	
Pumped Liquid Name	
Liquid Specific Gravity	
Liquid Temperature (Degrees F)	
Vibration Instrument Model	
Vibration Instrument Calibration Date	
Vibration Instrument Mounting (handheld, magnet, etc.)	

Pump Operating Conditions					Pump Vibration[1] – Unfiltered (Inch/Second RMS)[2]			Gearbox Vibration[1] - Unfiltered (Inch/Second RMS)[2]		
Data Point	Pump Speed (RPM)	Pump Rate of Flow (GPM)	Pump Discharge Pressure (PSIG)	Height Pressure Gage to Liquid Level (inches)	Position X	Position Y	Position A	Position H	Position V	Position A'

[1]Preferred frequency range for unfiltered vibration measurement is 0 – 1000 Hz.
[2]For equipment operating 600 RPM or less, also record vibration in displacement (mils peak-to-peak).
*Engines must be operating correctly. If engine has noticeable misfiring, please correct prior to recording data.
**BEP = Best Efficiency Point. Attach pump curve if available. Note additional comments below:

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Tested By: _____ Form Completed By: _____ Date: _____