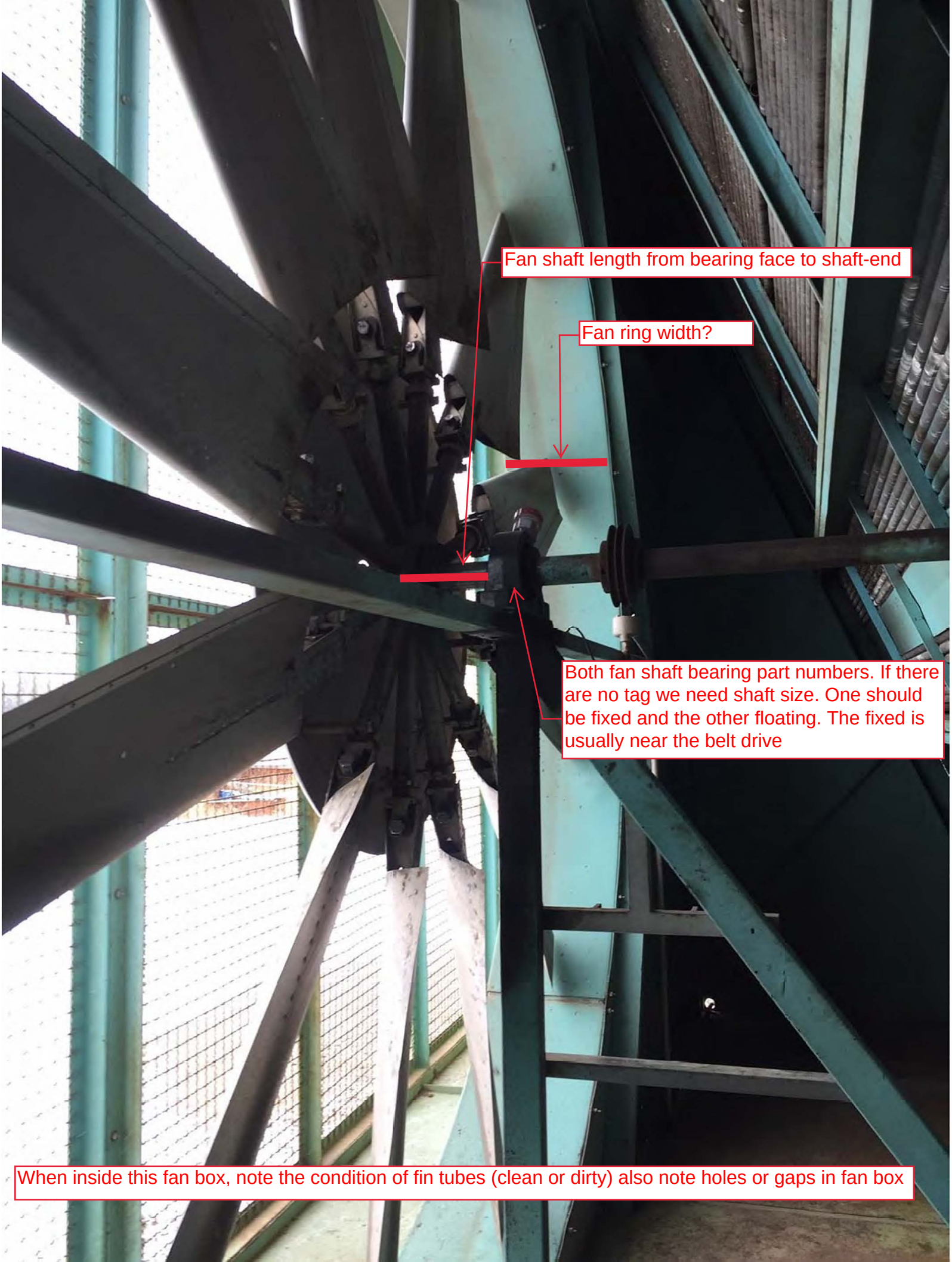
Engine fan Data Collection file-April 2022-Rev 3

THE FAN GUY.CA MOTION CANADA® *Keeping Industry in Motion*

Watch this video link to see how best to collect field data:
https://youtube.com/watch?v=0bXK_bH24tA&feature=share

Data we require to help you solve your cooler issue(s).

1. We need the same five pictures as shown below at the same angles and approximate distance
2. We need to know what the main issues are (Noise or flow or both)
3. If you have the OEM cooled data sheet and BOM send them but if not, we can get from OEM with this tag picture
4. See the next two pages for further dimensional details required

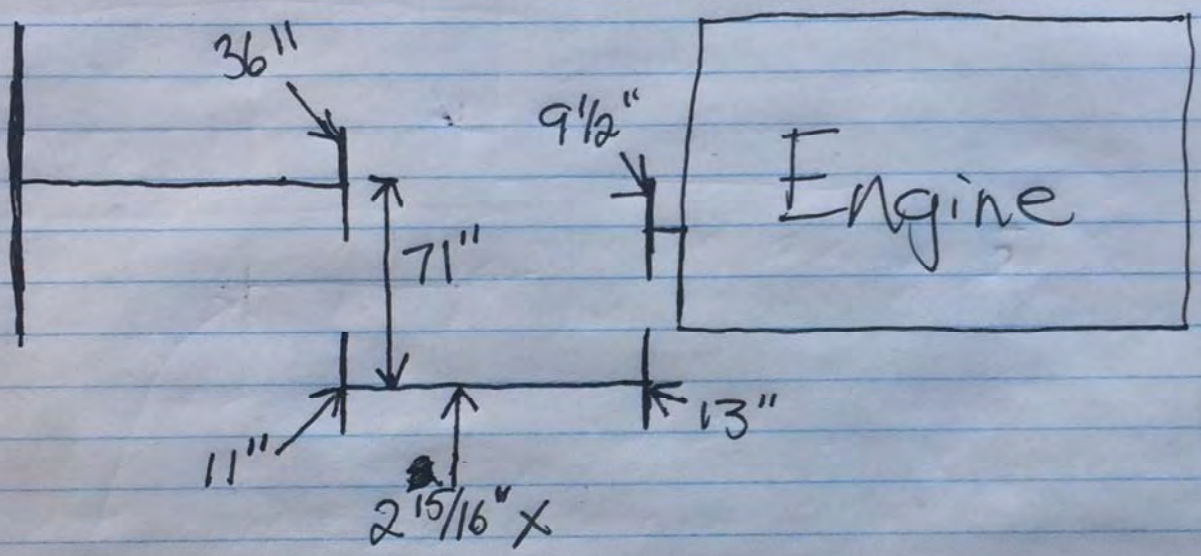

Fan shaft length from bearing face to shaft-end
Fan ring width?
Both fan shaft bearing part numbers. If there are no tag we need shaft size. One should be fixed and the other floating. The fixed is usually near the belt drive
When inside this fan box, note the condition of fin tubes (clean or dirty) also note holes or gaps in fan box


If we need to slow this fan down (for Low-Noise) we need to know how large this fan pulley can go before it hits something (not including the belt guard as they is easy to modify)
It would be good to know the estimate of space between the idler and fan pulley with idler all the way to the right (only for Low-Noise issues)
Belt part number needed
How many belts?
Need to know OD of this 2nd stage belt pulley

Sample sketch, see note below as this is not always needed

Fan shaft bearings LinkBelt PCU 347 2 15/16"
Fan belts 5 x C225

Jackshaft bearings Dodge 215 series, PN: 023345
2 15/16"

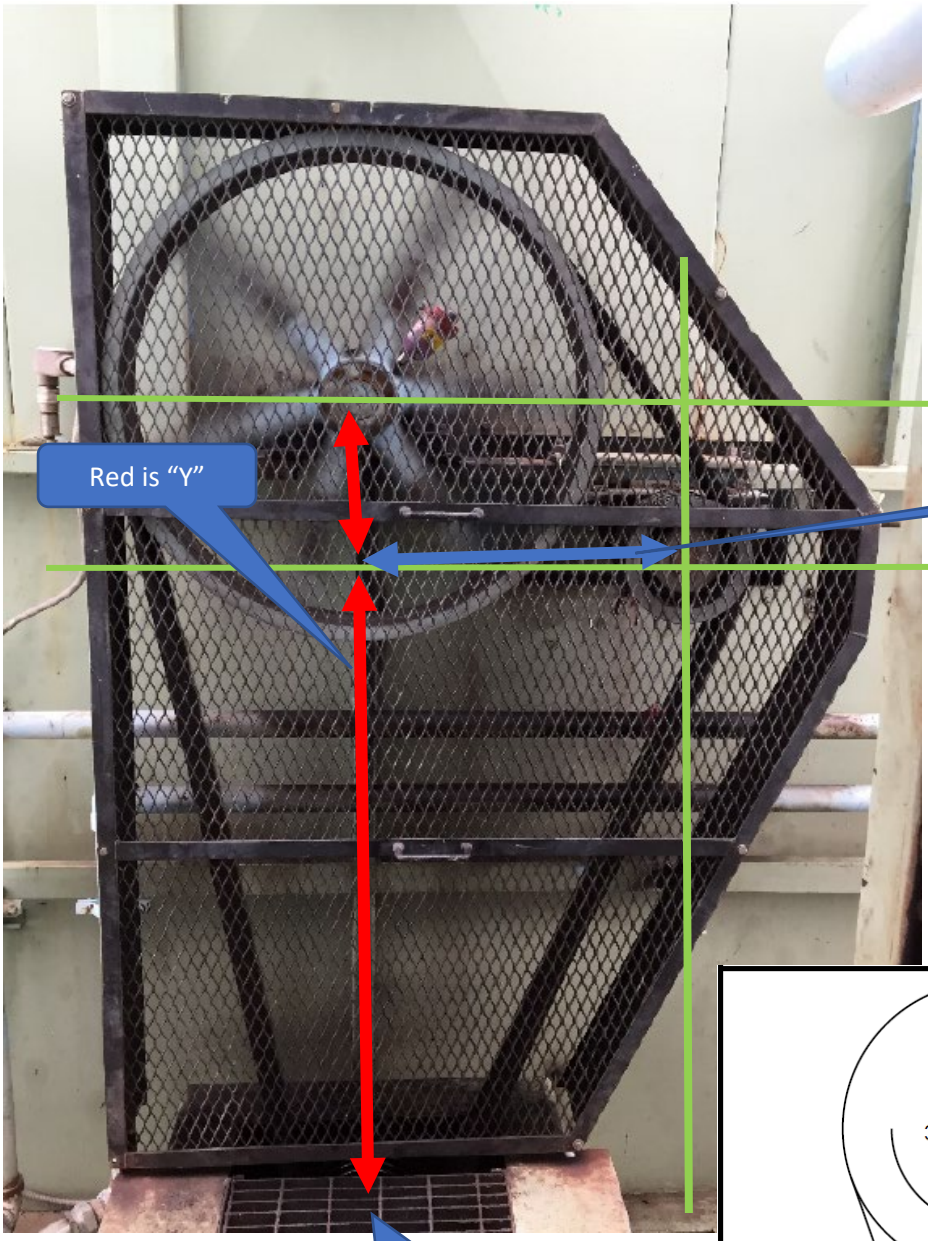


This sketch and data is good information to have but only gather this extra information if you are having belt issues on the 1rst stage or if your having jack shaft bearing issues.

Or if you cannot get us a tag picture, OEM data sheet or BOM.

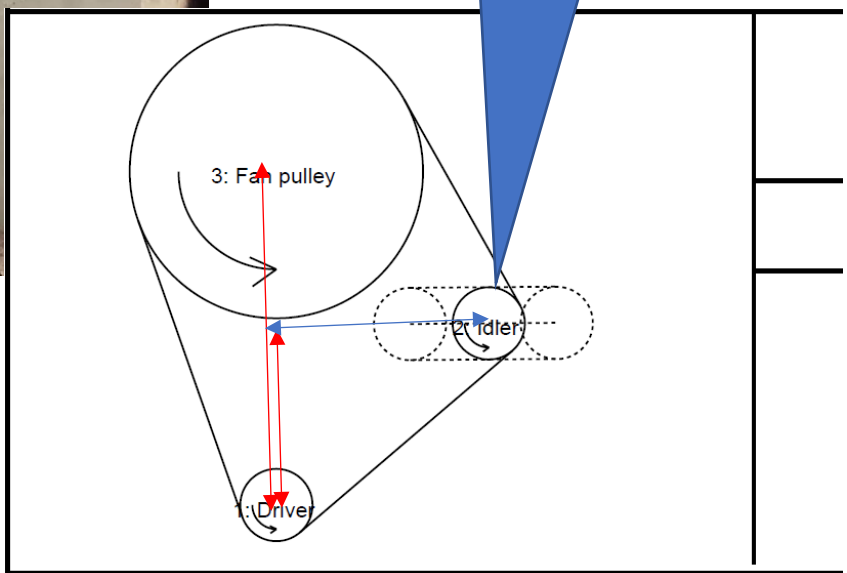
If we have nothing we will need to know 1rst stage belt drive and engine base speed so we can reverse engineer the cooler.

This page shows how to properly collect the “X” and “Y” dimensions for a belt drive with an idler. “X” being axial and “Y” vertical starting from the bottom



We also need to know all pulley and shafts sizes as well as belt part number and number of belts

We also need to know how much the idler adjusts from side to side of existing position



Layout Data: (inch)

		X	Y	Diameter	Ratio
1	Driver	0.00	0.00	13.20 EOD	1.0
2	Idler	38.26	32.69	13.20 EOD	1.0
				Slot Min.: 24.06 / 32.57 --- Slot Max	
3	Fan pulley	0.00	60.00	53.00 EOD	4.1