



October 19, 2019

Ford Motor Company is happy to report the following:

We have successfully been using the **Vaughan Chopper Pumpbacks in our individual machines and central pumpbacks** starting January 2002 to current. On the following applications (listed below) located in our transmission and engine plants; we have no record of a failure to date. The chopper pumps range in flow from 50 GPM to 1800 GPM.

| <u>Process</u> | <u>Machine Manufacture</u> | <u>Plants (Over 12 in Total)</u> |
|--------------------|--------------------------------|---|
| Gear Grinding | (Rishauer, Fassler) | Sharonville / Batavia |
| Gear Machining | (E-Mag, Chiron) | Sharonville / Batavia |
| Aluminum Machining | (Mag, Grob, Heller, Ex-cell-o) | Sharonville / Livonia / Lima / Romeo / Dagenham / Brazil |

Joey Maruskin of J.G.M. Valve Corporation has been an integral part of the design and build process of these systems. Prior to Vaughan being the pump of choice, we were using conveyors to remove chips. As well as a pump attached to the conveyor to return the coolant back to the coolant system. In some applications we were adding shredders to each pumpback which raised the cost of operation tremendously. Since Joey Maruskin introduced the Vaughan Pumpbacks to Ford Motor Company, our facility has run much smoother.

Best Regards,

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