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Maintenance Intervals on Becker VTLF 2.400/500 Series Pumps

*Every 40 to 200 Hours

*Check and clean air intake filter. Every 4 filter cleanings a new filter should be installed and minimally every year. (C & D)
*Blow dust and debris off outside of pump

*Every 3000 Hours

*Grease bearings with pump running. Remove filter cover and place filter over direct inlet to pump and start pump. Remove grease fitting covers and pump gun 25 times in each fitting (N)

*Check Vanes for minimum width. Replace if necessary. (H, I & J)
VTLF 2.400/500 – 60mm minimum width

*Inspect vanes for improper wear (cupping or uneven wear). Replace if necessary.

*Some cupping of the flat surface of the vane is normal. If cupping exceeds 25% of the original thickness, replace the vanes. Make sure to replace the vanes so the beveled edge rides smoothly against the cylinder wall. If the vanes are installed backwards the vane only contacts the cylinder wall at one point.

*Check and clean the end shield for heat damage or scoring. If any exists, contact your factory representative. Wipe grease off rotor shaft before re-installing the end shield. Inspect teflon tube seals in end shield. If the hollow center shows through, replace them.

(X) Refers to pictures in operating instructions

Tips for Increasing Vane Life

Vane life depends mostly on two factors: temperature and vacuum level. Run the pump as cool as possible by installing the pumps in an ambient environment that has adequate air flow and a max temperature of 100°F. Also, keep dirt and debris off the pump and motor using compressed air every 2000 hours when performing other maintenance procedures. Starting and stopping should be done as few times per day as possible (no more than twice per day). Run the pump at the lowest acceptable vacuum level.

* ***These intervals are basic guidelines. You may find either more or less frequent attention is needed, depending on your application.***

MAINTENANCE KIT DTLF/VTLF 2.400/2.500 P/N 338068M0000