

# **HTI FILTRATION**

## **BENEFITS OF USING HTI FILTRATION PRODUCTS**

1. Cleaner oil means higher productivity through reduced wear, replacement costs and machine down time:
  - Removing the abrasive particulate greatly improves the wear life of bearing and cam surfaces, and reduces tool wear.
  - Clean oil reduces seal wear and retards coolant intrusion into oil.
  - Eliminating moisture from the oil maintains the integrity of the lubrication film, prevents etching, galling and premature wear on all metal surfaces.
  - Greatly reduces oil purchase and disposal costs.
2. Removal of varnish from oil prevents clogging of lee jet orifices on ram:
  - This maintains ram guidance and greatly reduces tear off rate.
  - Improved production quality and quantity.
3. HTI filters absorb faster, hold more debris and work at higher pressures than competitive filtration products. HTI filter elements:
  - Patented design and paper absorb up to 30% more contaminant, last longer.
  - Operates at higher pressures without rupturing, more durable.
  - Absorb faster due to improved media design and structure, protects the oil.
  - Reduced shipping, inventory and disposal costs due to long filter life

How much cleaner does it get?

**Extensive** trials at a major can maker using competitive system revealed the following improvements:

<u>Machine 1</u>	<u>Before HTI</u>	<u>After HTI</u>
Water content	408 ppm	123 ppm
5 micron debris	23,482 per ml	142 per ml
15 micron debris	727 per ml	29 per ml

<u>Machine 2</u>		
Water content	133 ppm	94 ppm
5 micron debris	10,083 per ml	244 per ml
15 micron debris	240 per ml	12 per ml

<u>Machine 3</u>		
Water content	693 ppm	204 ppm
5 micron debris	25,694 per ml	935 per ml
15 micron debris	8,203 per ml	28 per ml

**HTI Filtration**

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