Bhagyashree Accessories Pvt. Ltd.,
S. No. 44/32, Narhe Industrial Area, NARHE, Pune 411041 (MS)
Tel.: : 020 - 64700167 Email : inquiry@baplpune.in
URL : www.centrifugallubeoilcleaner.com

BAPL make filtration technology without any filter elements or barrier and works on centrifugal force & gravitational pull.

Quench Oil

What happens to your quench oil over time?

As any quench oil is used, its inherent properties of heat resistance, hardening ability, and finishing quality begin to degrade. A gradual buildup of particulate contamination causes this degradation in quench quality. Also, particulate contamination will promote cracking or distortion of steel parts.

Oxidation occurs in quench oil as it is exposed to air or oxygen. At elevated temperatures, this oxidation occurs at a relatively high rate. Oxidation results in the buildup of organic acids and the formation of insoluble materials, or sludge. These insoluble materials increase the viscosity and decrease the finishing quality of the quench oil.

When the oil is exposed to elevated temperatures, thermal cracking may occur. This thermal cracking results in the formation of new materials; some are light, relatively volatile products that lower the flash point of the oil while others are heavy, less volatile materials that increase the viscosity of the oil.

Are you experiencing any of the following problems with your quench oil?

- Diminished resistance to heat
- Increased oxidation
- Increased thermal cracking
- Non-uniform hardening
- Deterioration in hardness or finish
- Sludge build-up
- Uneven cooling on parts

Solution: ***BAPL make Centrifuge Filtration Systems***

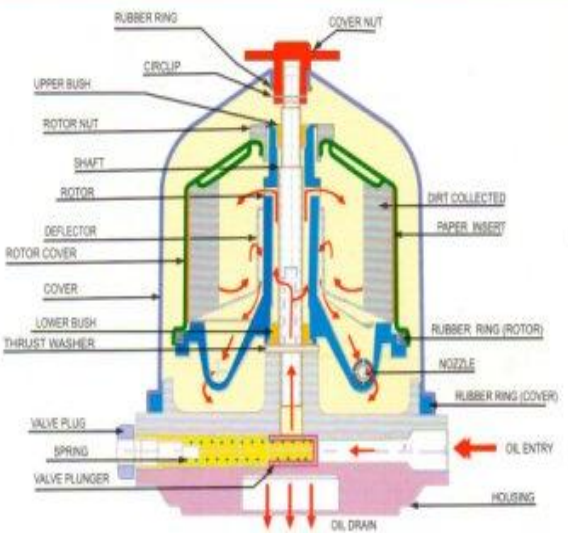
Particulate contamination does not mean that your quench oil must be disposed of and replaced. BAPL Centrifuge Filtration removes the particulate from the quench oil, and thus extends the life of the fluid. BAPL Centrifuge removes both fine and gross contamination, which will reduce part-cracking and distortions, promote uniform hardening, and improve finish quality.

For offline filtration, we provide the complete trolley mounted centrifuge unit in various ranges for the easy installation and for easy portability.

Centrifugal Lube Oil Cleaner Working Principle

Centrifugal Lube Oil Cleaner operates on the Hero turbine principle.

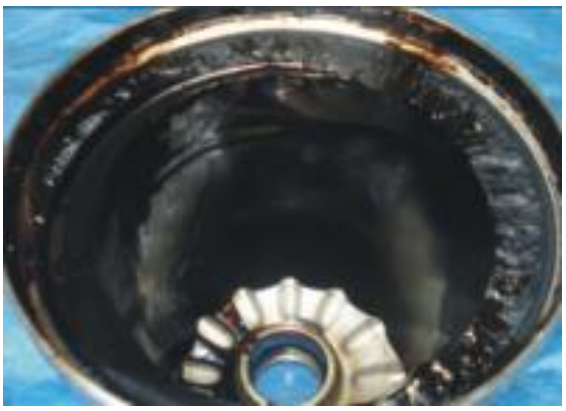
Oil enters the centrifuge under pressure and passes into the rotor through hollow rotor shaft. The oil pressure and flow is converted in rotational energy as the oil escapes through the jets, producing speed to 6000 RPM and above. The resultant centrifugal force removes dirt from the engine oil depositing it on the inner wall of rotor in a dense cake form. Clean oil drains back directly to the engine oil sump by gravity.



OUR OEM SUPPLY TO Cummins India Ltd, Mahindra & Mahindra, Kirloskar Oil Engines Limited, Greaves Cotton, BEML and for industrial filtration to Thermax Limited.

BAPL centrifuge filtration unit Super_Kleen200 installation in heat treatment plant for Quenching oil filtration

SLUDGE COLLECTION IN ROTOR



As a part of growth plan we have developed 14 different models of centrifugal filters with the increased production capacity at our new plant in Narhe Industrial Area, Pune. As a part of our customer satisfaction journey for last more than 20 years with the engine manufacturers in India Cummins India Ltd, Mahindra & Mahindra, Kirloskar Oil Engines Limited, Greaves Cotton, BEML and for industrial filtration to Thermax Limited. We are well established presence in overseas market through our dealers.

For more details we invite you to visit our websites;
www.centrifugallubeoilcleaner.com www.bhagyashreeaccessories.com
Corporate Video BAPL make centrifuge assembly video Centrifuge working animation video