



Stop contaminant install RCOP Rovar centrifuge oil purer



Rovar centrifuge oil purer 'RCOP'

ROVAR centrifugal oil purer 'RCOP' are providing superior by pass filtration for removal of contaminant from the lubricating oils. ROVAR centrifugal oil purer is ideally suited for diesel engines, gearboxes, hydraulics, other industrial oils and water-based coolants. High soot / wear particle levels with in the lubricating oil have been witnessed to be responsible for accelerated wear of critical engine, gearbox, hydraulic components

Now day's oils are needed to work harder and get higher level of contamination. Oil is life blood of the engines, gearboxes and clean oil is essential if a machine is to operate efficiently, conventional full flow oil filters usually have given sized holes in their mesh and will only remove particles from the oil steam which will not fit through the hole. Under heavily contaminated flows, the particles can build up and block the filter. ROVAR centrifuge oil purer removes contamination from used oils to restore them to cleaner than new condition thus reducing lubricant purchases and waste disposal cost.

When changing oil in a hydraulic systems, normally only about 60% of the oil is drained and rest is hold up in rams, plumbing etc. which is holding back contamination, so by cleaning the oil by ROVAR COP and activating the system periodically, the systems is cleaned to a level cleaner than new condition with out affecting the additive package. ROVAR COP ensures longevity to your machinery & oil change.

ROVAR COP mobile unit used to clean the oil while the machinery is being serviced or fixed dedicative ROVAR COP helps on line cleaning. While the equipment in operation.

Advantages :

- Both initial cost and long-term maintainability make it a good low cost investment.
- Low disposal costs result because the 'dry cake' is easier to dispose of and has less impact on the environment.
- Maximize bearing life & internal machine elements
- Extend oil life
- Achieve the highest degree of preventive maintenance.
- Separation & storage of large quantities of dirt particles.
- Optimum soot separation.
- Extended service intervals - reduce downtime.
- Longer & more effective use of oil.
- Saves waste disposal cost.
- In engines reduction in exhaust emissions, clean combustion & fuel efficiency.

Applications :

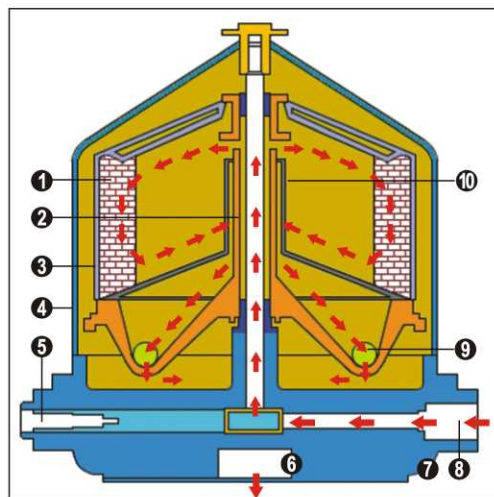
- All grinding applications : - water solvable, & synthetic coolants.
- Lapping
- Wire drawing :- rolling & drawing fluids, coolants.
- Vibratory deburring
- Honing
- Pretreatment of membrane steams
- Paint booth discharge
- Quenching, forging
- Cutting oils.
- Engines
- Gear boxes : - Rolling mills, cement mills, dragging machines
- Hydraulic equipments
- Transformer oil units
- Trucks & buses
- Marine engines
- Locomotives
- Compressors
- Earth moving equipments
- Drilling rigs
- DG sets
- Turbine oil, gear oil
- Transmission oil



Centrifuge performance

Rovar COP Model	Flow Rate	Dirt Retaining Capacity	Motor	Rovar Pump Model
RCOP 10	550 LHP	½ LTR	0.5 HP	RYT 10
RCOP 20	800 LHP	1 LTR	1 HP	RYT 20
RCOP 40	1500 LHP	2 LTRS	1 HP	RYT 40
RCOP 80	5000 LHP	6 LTRS	3 HP	RYT 80

Typical rotor performance for 40 cst oil at 45 °C pump model will w.r.t. oil viscosity.



Operation :

Oil is pumped into the ROVAR centrifuge oil purifier by engine pressure or ROVAR Pump pressure and directed into a hollow spindle, exits through cross opening into the centrifuge rotor. The rotor becomes full of pressurized oil, from the rotor the pressurized oil exits through two tangentially fixed nozzles. This creates rotation of the free spinning rotor to 5000 rpm. The contaminant / dirt particles enter the rotor are subject to the high centrifugal force causing them to move radially outwards to the inner wall of the rotor and get deposited. Over the period it forms like a thick cake, which can be disposed. Thus even dirt less than 0.5 microns can be removed from the oil and the oil looks cleaner and better.

1. Dirt Collected
2. Rotor
3. Rotor Cover
4. Cover
5. Valve Plug
6. Oil Drain
7. Housing
8. Oil In
9. Nozzle
10. Strainer

An ISO 9001:2008 certified company

The company reserves the right to change any specification without prior notice



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