



Every lubricated surface is continuously exposed to wear particles that limit useful life.

Lube centrifuges capture those particles.



Glacier

Advanced Centrifuge System

- Traps Abrasives Filters Miss
- Separates By Size & Density
- Pressure Powered

Glacier Advanced Centrifuge System

A powerful tool, converting wasted energy into longer oil life while greatly extending component overhaul intervals.

- May Be Operated in Parallel
- OTB Remoting Fixture
- Serviced with Simple Tools



Glacier ACS Centrifuge



The Glacier Advanced Cleaning System Centrifuge is a product of design innovation extending over 55 years. Deep application and field experience means Glacier provides the best performance, durability and ease-of-service of any pressure-powered centrifuge. Most flow sizes employ the patented inlet flow diffuser boosting dirt separation over competitive units and the rapidly-cleaned cylindrical turbine rotor.

A pressure-powered centrifuge converts energy in a lube circuit into robust turbine rotation (3500 to 7000 rpm). The resulting centrifugal force separates abrasive debris and contaminants from the circulating oil, where it collects at the edge of the rotor I.D. Using a rotor I.D. paper insert allows for rapid dirt removal at service time.



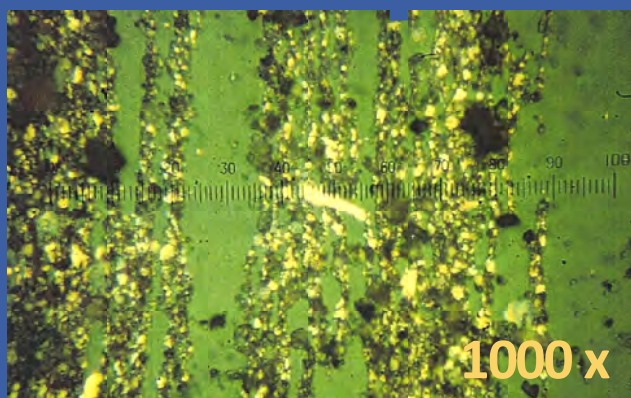
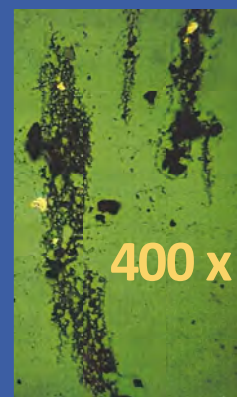
Centrifuges range in size from 250 to 6000cc dirt capacity and most may be equipped with the OTB Remoting device.

Please contact your
Glacier Centrifuge
Distributor (below).

These Ferrographs of contaminants collected from the Glacier Advanced Cleaning System Centrifuge were microscopically examined at three successive magnification levels, then photographed.

The first image is positioned at the Ferrogram slide entry and the sediment is backlit by a lamp. At the 400x magnification, different debris types show clearly, and metal and carbon can be detected. The centrifuge traps metal abrasive sizes filters miss.

The 1000x view adds special lighting to improve visibility of wear debris. The small divisions of the photo reticule are 1µm in size. Observe how metals & abrasives are trapped by the centrifuge. The Ferrograph tool causes centrifuged debris to deposit into windrows; smaller particles trapped are less than 0.5 µm. All bright copper-colored debris is metallic.



GLACIER®
PURIFICATION SYSTEMS