CASE STUDIES

2020
SENSOR TECNOLOGY

• Oil quality monitoring
• Metallic wear debris monitoring
• Temperature monitoring
• Velocity Profile
• Water contamination monitoring
• Data acquisition platforms
• Viscosity and Density Monitoring
• Additive Depletion Monitoring
• Online customer data portal
CASE STUDIES

System Designed to Filter Centrifugal Compressor Lube Oil and Perform Real Time Oil Analysis
300 GPM FILTRATION SKID TO MONITOR IN REAL TIME ALL OIL PROPERTIES WITH OIL QUALITY REPORT ON DEMAND
10 GPM VACUUM DEHYDRATOR- OIL QUALITY ANALYSIS BY ACHILLES ACHILLES ALSO CONTROLS THE ENTIRE MACHINE
ACHILLES DETECTS FUEL COALESKER EFFICIENCY BY PROVIDING PARTICLE SIZE/QTY. & WATER LEVEL (PPM) IN DIESEL FUEL
ACHILLES DETECTS PARTICLES WIND TURBINE GEARBOX WITH MOISTURE LEVEL. SET UP WITH A DATA LOGGER AND REMOTE MONITORING
ACHILLES DETECTS PARTICLES IN A HAUL TRUCK HYDRAULIC TANK
US Fluid Power Technology enables the End User to Evaluate Oil Condition of Mobil SHC 22M Gear Oil. The Oil Viscosity is Approximately 22,000 cST. The Sensor is able to determine Particles, Mass Concentration, Flow Rate, Temperature and Water Concentration. This allowed the End User to determine when equipment was demonstrating signs of premature wear.
System Designed to Filter 55 gallon drums of Gear Oil. After being processed it was analyzed using our sensor/software to return back to the field.
US FLUID POWER SOFTWARE KEY FEATURES

- Monitor your filtration unit remotely
- Identify premature wear in the lubrication system
- Save on capital expenses
- View data in real time
- View size of particles over time
- Attain mass concentration of particles
- Attain water concentration
- Identify the oil quality
- Eliminate lab costs
- Evidence filtration system works

- Measure ferrous particles
- Measure non-ferrous particles

- Accurate count of particles per size range in real time

- Superior to optical particle counter

- Easy to use
ACHILLES UNITS CAN BE USED TO TRACK ASSETS IN THE FIELD. NOTIFICATION OF GPS CHANGES CAN BE SENT DIRECTLY TO YOUR CELL PHONE OR EMAIL.
VISIT [www.usfluidpower.com](http://www.usfluidpower.com) for Further Information or email info@usfluidpower.com

Your 1 Stop for Oil Reclamation Units with Mobile Fluid Analysis