



# Engineering & Field Services Oil Analysis & Sampling



## A quick, non-destructive way to gauge equipment health

Depending on where your program is at, Zudak works with you to develop and implement a program that makes sense for your plant, enhancing your equipment condition monitoring efforts.

### Common issues:

- Low/High viscosity
- Cross-contamination
- Incorrect lubricant selection
- Early signs of equipment malfunction
- Water & heat contamination
- Accelerated equipment wear
- Need for in-line filtration due to high particle contamination count

### Our approach:

- Identify and qualify oil sampling candidate-assets based on enterprise criticality.
- Assess existing historical data (if any) and current sampling hardware and method.
- Establish cleanliness targets based on site's goals and enterprise operations.
- Set-up sampling frequency based on industry best practices.
- Provide detailed oil analysis report documenting most relevant issues and providing actionable recommendations.
- Review report one-on-one with plant reliability and management team

### Captured benefits:

- Improved maintenance planning
- Increased productive capacity of equipment
- Minimized unplanned maintenance downtime
- Extend equipment life and efficiency
- Reduced under-lubricated parts replacement
- Reduce on-site safety risk and worker exposure