

Improved process efficiency with Mobil Lubricant Analysis

ExxonMobil's oil analysis program helps U.S. alumina production plant generate a total cost savings of US v\$9,600 in reduced labor

Oil Sampling Program | Alumina Production Plant | Texas, United States

Situation

A Texas-based alumina production company obtains over 150 oil analysis samples per month as part of their comprehensive preventative maintenance program. The process of collecting and labeling the samples typically requires 24 labor hours per month, with a significant portion of that time dedicated to printing and filling out sample labels. In an effort to streamline the sampling and labeling process, the company approached ExxonMobil engineers for an alternative maintenance solution.

Recommendation

ExxonMobil engineers recommended that the company use **Mobil™ Lubricant Analysis**. The **Mobil Lubricant Analysis** program eliminates the time consuming sample labeling process through the use of pre-labeled sample bottles with QR codes and a unique number identifier. These QR codes and number identifiers allow the sample bottle to be quickly paired with a piece of equipment in the **Mobil Lubricant Analysis** System with no additional sample labeling.

Benefit

Mobil Lubricant Analysis has helped this Texas-based alumina production plant improve sample process efficiency, while reducing monthly labor associated with oil analysis to eight hours per month, which has helped deliver a total cost savings of US \$9,600.

Impact

According to company reports, after implementing **Mobil Lubricant Analysis**, the company experienced improved process efficiency by reducing their monthly sample collection time by 66 percent to eight labor hours per month. This is an average savings of 16 labor hours per month and 192 labor hours per year, which has helped generate a total cost savings of US \$9,600 in reduced labor.



Potential Annual Savings



\$20,686 USD

Revenue Improvement



305 Hours

Exposure Reduction



23,435 Liters***

Environmental Improvement

Advancing productivity

Helping you reach your Safety, Environmental Care and Productivity goals through our innovative lubricants and services is our highest priority. That's Advancing Productivity. And that's how we help you achieve your broader vision of success.