

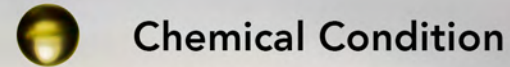
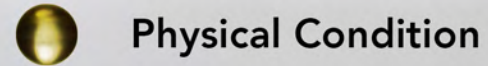
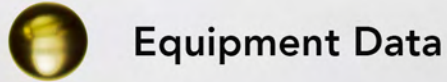
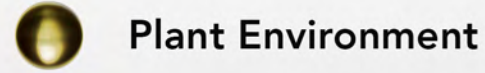
# The Formula for **Oil Intelligence**

SYNTHESIZE THESE 4 ELEMENTS TO REVEAL ROOT CAUSES AND REAL SOLUTIONS

In equipment lubrication, like everything else, it's more effective to treat the underlying cause of a problem than just the symptoms.

To understand what's really happening, we must consider multiple inputs together involving your process, your machine and your facility.

Here are the elements that add up to true **Oil Intelligence**.



# Plant Environment

What shape is your oil in when it arrives? What happens to it after that – in storage, transfer and filtration, until it's put into use?

[The Journey of the Lubricant®](#) in many facilities is full of threats to oil quality. Add in your elements – whether it's outdoors during a cold winter or hot summer, or the plant itself is hot and humid – and you've got a recipe for problems with oil contamination or degradation.



**Plant Environment**



**Equipment Data**



**Physical Condition**



**Chemical Condition**





# Equipment Data

What are the specs for equipment you're using and how you're using it?

Equipment data such as location within the plant and process, detailed technical specs including components (breathers, seal types, etc.), operating temperature, ISO cleanliness levels, sampling method, filtration practices, maintenance plan, operating schedule/throughput, etc., can be essential context for zeroing in on a problem.

● Plant Environment

● **Equipment Data**

● Physical Condition

● Chemical Condition



# Physical Condition

Oil level, temperature, sight and smell are among the [lubricant observations your team can make](#) that may suggest that something's amiss.

This info can be especially helpful if it's compared regularly to a baseline over time. For example, an oiler that had the right amount of oil when checked for several weeks, but then was nearly out the next week, is going to raise a red flag.

● Plant Environment

● Equipment Data

● **Physical Condition**

● Chemical Condition





# Chemical Condition

What's inside the oil? Does it meet the spec and is it viable for your needs, or is there too much water or particulate contamination, too little additives or some other issue?

Oil sampling and analysis of lubricant throughout its journey across your facility and multiple points in application will unveil the truth. [Read our post on what you can learn from the essential tests of oil analysis.](#)

● Plant Environment

● Equipment Data

● Physical Condition

● **Chemical Condition**

