Failure specific models which ensures that the prediction(s) have associated action(s).

Before/after engine major overhauls; what changed & was it worth it?

Before/after engine fluid change outs.

this meant no time for the cool stuff…

* but we'll get there

Viability of onboard oil sampling technology, the 500 hour sampling frequency has been proven too slow in some cases!

Discussion of the sampling frequency with respect to goal of sampling; treat component condition & oil condition separately.

An actual production dashboard to ensure information is acted on, doesn't slip through the cracks.

So, to summarise the journey…

- Explained **where** haul trucks sit within operations.
- Explained **why** looking into their oil sample data is of value.
- Then…
  - … **replicated** a paper which dealt with similar data.
  - … **extended** off of its methodology.
  - … then pointed out some significant **issues.**
- As a **remedy** some basic starting points were offered which take a more failure-event specific approach.
- Briefly explained the **complexities** of working within an industrial environment.
- Outlined the **future opportunities** which have been identified through the process.
- … and now we're here!

and, in closing…

I know this is a math unit, and the math was glossed over… but we only have ten minutes to work with here & there's significantly more detail within the report itself.

Plus, this is also an **industrial** unit, and when working in industry nothing really happens unless it can be justified to provide **improvement(s)**.

Unfortunately, you can't just sit around exploring data for months on end, so as a remedy a lot of value can be driven from simply improving the representation of data which is currently being used (e.g. built for purpose type dashboards).