

# How much is Poor Oil Quality Costing your Operation?

We all know that the **Mining Industry** is one of the **Harshest Environments** to work in and that's also true for our **Fuels and Lubricants** that we require to perform at their **Very Best** in the same **Harsh Environment**.

**Fuels and lubricants** are the **lifeblood** of our **machinery** and if we don't keep them in **tip top** condition then that can lead to **expensive failures** and **lengthy production delays**.

Did you know that **80%** of **mechanical issues** are caused from **oil contamination?**

If you're having trouble managing **breakdowns of production critical equipment** this could be why.

## If You Think...

- You have to **shut down** your system **three times** or more per year to shovel out dirt from tanks, or
- You change **in-line filters** almost **daily**, or
- You have to **change bearings** two or three times **per year**

**... then we have news for you!!!**



## At IQ Oil Australia we can help!

Together with **CJC Fine Filtration** products we have been keeping **Fuels and Lubricants** clean in some of the **Harshest environments** around the world for over **60 years**, we can help you meet **Your Production Targets and Deadlines**.

**IQ Oil** can help you to **identify those key areas of machinery failure** effecting your sites **production ability**.

With site audits of equipment lubrication and hydraulic systems, workshop and fuel handling facilities and help you build a strategy for **better fuels and lubricant maintenance**.



**IQ Oil Australia & C.C. Jensen** delivering on promise to deliver  
**Our clients the cleanest possible at the  
Cheapest possible price**



# How do we Deliver on Our Promises?

## One Filter Tackling 3 Major Contaminants



CJC Fine Filtration products are an Offline or Kidney Loop filter that are designed to be installed permanently on your fuels or lubricant tank. This installation method always maintains the cleanest possible oil in the tank and being delivered to your equipment.

Each CJC Insert provides:

- 98.7% of >3µm particles caught in a single pass
- 50% of 0.8-3µm particles caught in a single pass
- Removal of moisture via absorption or separation
- Removal of oxidation by-products that lead to Varnish

## CJC Inserts deliver unrivalled Dirt Holding

CJC Inserts are a depth filtration media manufactured from cellulose fibre in method that delivers a surface area equivalent up to 60 football fields in a single insert. This massive surface area equates to a Dirt Holding Capacity (DHC) that is unrivalled by our competitors, with the most common B 27/27 Insert delivering a minimum of 4 **KILOGRAMS!**

Compare this to most inline pleated filter elements the have a DHC measured at less than 500 grams.



## Massive DHC means Massive Savings \$\$\$

CJC & Competitor unit comparison		CJC & Competitor unit comparison	
Cost of CJC Unit	\$5,000	Cost of Competitor Unit	\$9,000.00
Cost of CJC Insert	\$100	Cost of Competitor Insert	\$100.00
DHC of CJC Unit (grams/litre of contaminants removed)	4000	DHC of CJC Unit (grams/litre of contaminants removed)	4000
Estimated contaminants removed per year (kg)	15	Estimated contaminants removed per year (kg)	15
Additional Inserts required year one:	2.0	Additional Inserts required year one:	37
Insert cost per year one:	\$200	Insert cost per year one:	\$3,700.00
Year one total cost:	\$5,200	Year one total cost:	\$12,700.00
Year two cost:	\$200	Year two cost:	\$3,700.00
Year three cost:	\$200	Year three cost:	\$3,700.00
Year four cost:	\$200	Year four cost:	\$3,700.00
Year five cost:	\$200	Year five cost:	\$3,700.00
<b>Total 5 year cost:</b>	<b>\$59,607</b>	<b>Total 5 year cost:</b>	<b>\$59,607</b>

**By choosing CJC you are saving over the next 5 years: \$59,607**

With a cost of around \$500 per B 27/27 CJC Insert and a minimum DHC of 4KGs this makes CJC the cheapest filters on the market today when it comes to ongoing costs to maintain.

The maths is simple:

$\$500/4000g = \$0.125$  per gram of contaminants removed

In most cases in Mining we see our clients seeing a return on their investment in less than 3 years but depending of the application that could be as short as a few months. In the example to the left, one client was able to save nearly \$60,000 by switching to CJC instead of their previous method of filtration.

*The world over Major Global Mining Operators are relying on IQ Oil and CJC to provide clean fuels and lubricants to ensure that their operations stay on track to exceed production targets from more profitable ventures that guarantee a more sustainable future for the industry.*



For more information, additional case studies or to see how IQ Oil & CJC could impact your operation please contact us on:

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