

## PROOF OF PERFORMANCE – INJECTION MOULDING MACHINE

# Offline Filter used to remove moisture ingress

## Problem

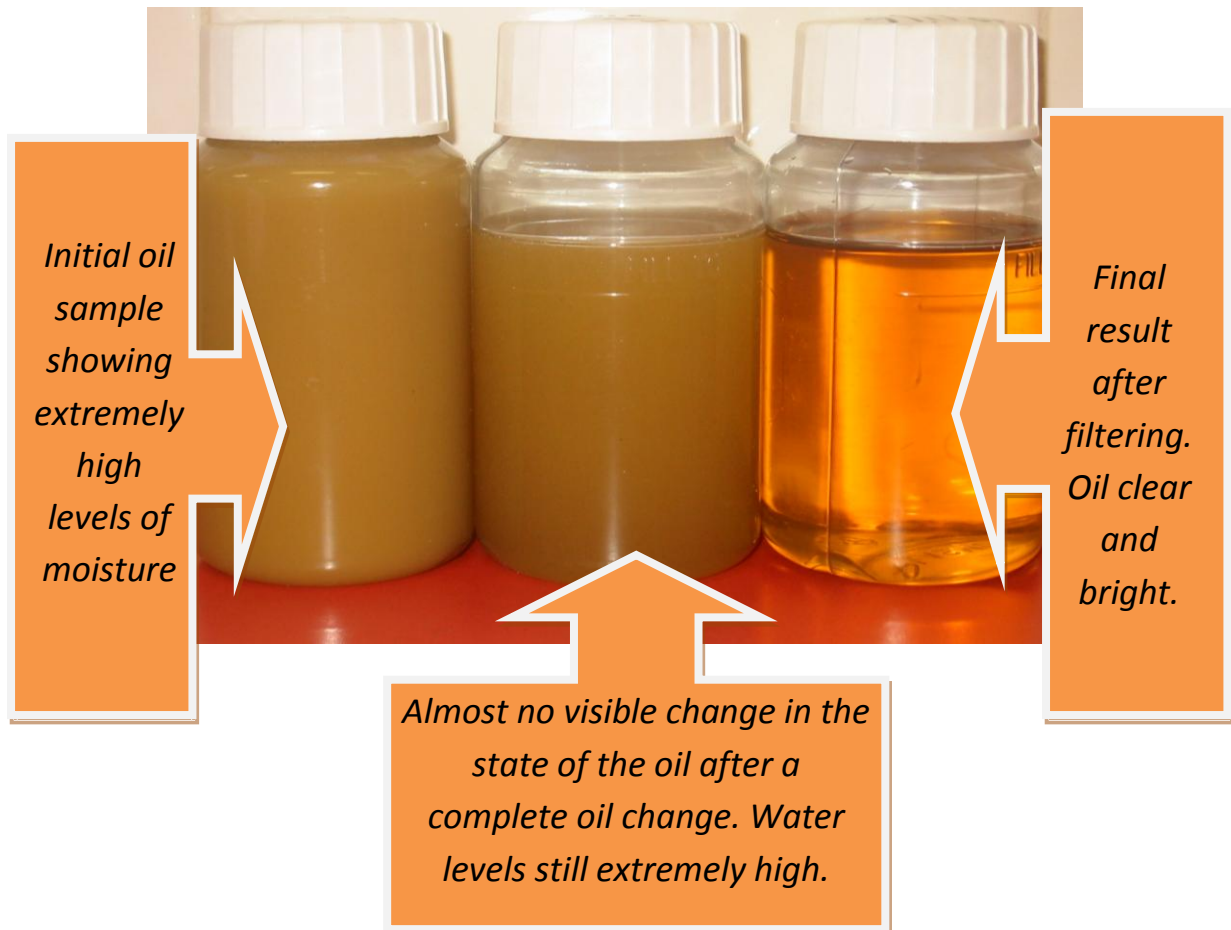
- Regular oil analysis detected high levels of moisture ingress resulting from a defective heat exchanger, a regular occurrence on any injection moulding machine.
- An immediate oil change was performed to remove water and the increasing ferrous wear debris levels. This oil change did very little to improve the entrained water nor the wear debris levels in the fresh oil charge.
- Precise Lubrication was contacted for a suitable solution to allow production to continue on this important injection moulding machine.

## Solution

With the initial change of oil unable to remove all of the moisture that remained within the hydraulic system, Precise Lubrication offered an offline filter to remove remaining levels of moisture.

## Result

- Remaining moisture eliminated.
- Cleanliness levels improved
- Ferrous wear debris removed.
- Minimised unscheduled downtime.
- Due to high moisture holding capacity of filter elements, only one set of elements was required.



## SUMMARY

Regular oil analysis detected the moisture ingress but increased frequency would have provided an earlier warning to impending failure.

Precise Lubrication offers:

- Off-line filtration as a cost effective method of removing water and/or wear debris from oil without the need to halt production.
- A complete lubrication management package designed to address issues before they become problems.