

Triple Review

Toyota Installs Triple R Filters For Engine Plant

OBJECTIVE

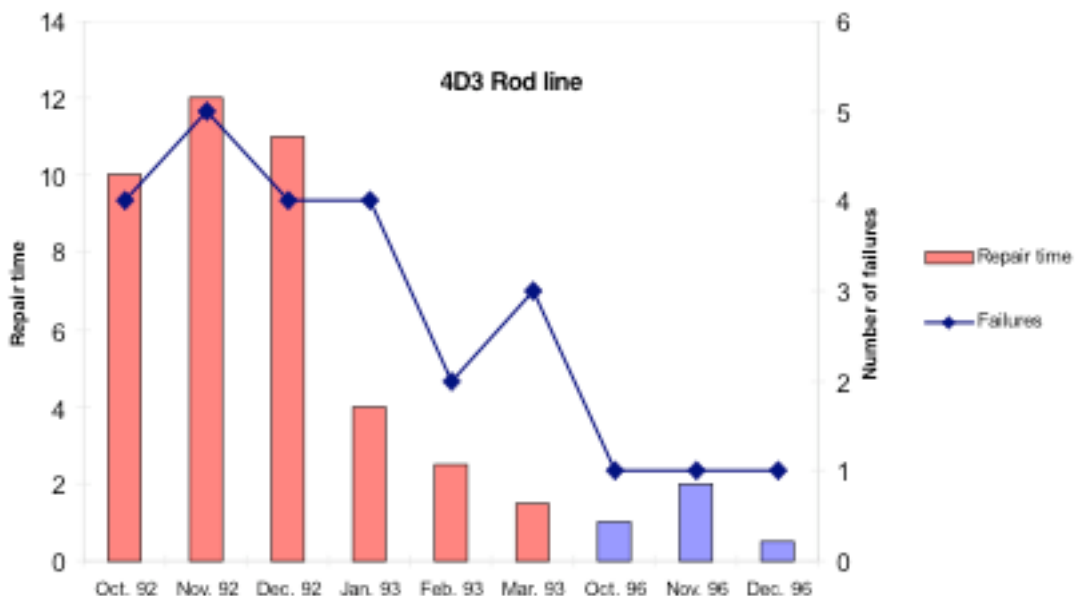
By achieving a smooth operation of the equipment and by preventing possible failures,

- Reduce the failure rate and improve the operation rate by reducing hydraulic troubles.
- Increase the oil longevity and reduce the number of oil changes and oil usage.
- Reduce the maintenance costs; costs for parts replacement, repair man-hour, etc.
- Increase the reliability of machinery operation and achieve a stable cycle time.

BACKGROUND

In December 1992, Toyota installed several TRIPLE R Oil Cleaners on the 4D3 rod line with the intention to reduce failure downtime and repair time caused by contaminated hydraulic fluid, and started Hydraulic Fluid Contamination Control. We were very surprised by the significant improvements and results achieved. We therefore immediately started Fluid

Contamination Control with TRIPLE R in the whole plant 4 and 5.



The figures show a dramatic reduction of hydraulic troubles in 4 years, although the number of machines had doubled