

# Triple R Review

Review for oil cleaning and machine maintenance - Issue 2 - 2005



## The HERRMANS story



B.Herrmans is a middle-sized company, producing bicycle products. The company was founded in 1959. The current export rate is 95%, mainly to Europe. The main products are rintapes, grips, reflectors and chain guards.

B.Herrmans started testing Triple R in 1992 on a Krauss Maffei 250 ton. We installed one BU-100 filter unit on the machine. The oil had already been used for one year, 6000 hours.

Test data:

1. The oil sample before installation was NAS 10 and contained a lot of sludge.
2. The oil sample 3 months after the installation was NAS 7 and the test membrane was white.
3. Oil samples have been taken every year. The cleanliness level, the TAN and the viscosity level remain within the limits, meaning that the oil is in perfect condition.

4. The oil has not been changed, only refilling from time to time, to adjust the level caused by leakage.

### Mr Göran Englund says:

*“Before we had Triple R on our machines, we changed the oil every 5.000 to 10.000 hours. But now we only change the oil based on oil analysis results, that are taken once every year.*

*As a result now we change the oil between 40.000 and 60.000 hours! One machine could even run with the same oil up to 90.000 without oil change!*

*Additionally we noticed that replacement of pumps and valves has been reduced by more than 50%. Of course that also resulted in a reduction of the production loss by 50%.*

*As all the results have been so convincing and the benefits and savings so important, just by using Triple R, all new machines coming to the factory will be*

