

MIRACLE BOY



CASE STUDY: MIRACLE BOY IN PAPER MACHINE APPLICATIONS

CUSTOMER

Paper Mill

APPLICATION

Paper Machine Lubrication

STARTING CONDITIONS

- Each paper machine had 300-400 bearings and 13 per year would require replacement

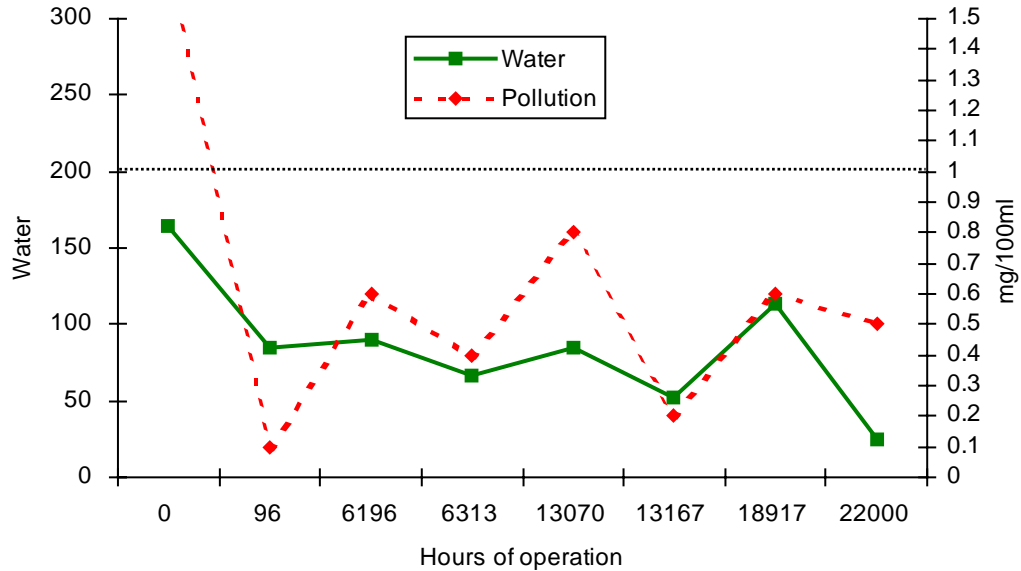
CURRENT CONDITIONS

- The bearing repairs have been reduced to 3 per year
- No oil changes
- Cost savings per year = \$20-50K

STARTING OIL TEST RESULTS	MB OIL TESTING RESULTS
Viscosity: 224.9 mm ² /S	Viscosity: 222.1 mm ² /S
Oxide Level: 0.35 mgKOH/g	Oxide Level: 0.34 mgKOH/g
Water: 3000 ppm	Water: 59 ppm
Particles: 5-15 micron = 3,420 ppm 15+ micron = 1,236 ppm	Particles: 5-15 micron = 67 ppm 15+ micron = 7 ppm
ISO Code: 19/17	ISO Code: 13/10

THREE YEAR TEST DATA FROM THE CUSTOMER

Standard: ISO 14/11 - 200 PPM



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