



## CASE STUDY

### CUSTOMER

FORD MOTOR CO.

### LOCATION

BUFFALO, NY, USA / JUL 2006

### EQUIPMENT

HYDRAULIC TANK

### APPLICATION

HYDRAULIC FLUID

### PROVEN RESULTS



60 DAYS AFTER RUNNING THE TEST  
CONSIDERABLE  
AMOUNT OF  
CONTAMINATION  
CAPTURED

### CHALLENGE

Ford Motor Co was having issues with ferrous contamination in the hydraulic tank.

### SOLUTION

Install an OEI 24" Magnetic Filter Rod with protective screen. The screen is recommended because the length and location of the rod is near the exterior of the reservoir. If the rod were to attach to the reservoir removal would be problematic.

### RESULTS

60 days after the hydraulic fluid and standard filter were changed, the OEI magnetic filter element extracted a considerable amount of ferrous contamination. There was so much that the trapped particles are protruding through the protective screen which is approximately 1/2" clear of the magnetic filter. Due to the results of this test, OEI has been requested to recommend magnetic filtration systems for the remaining equipment.



PRODUCT  
RECOMMENDATION  
**MAGNETIC FILTER  
ELEMENT**



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