GOLD STANDARD SUCCESS

Air Sentry® Increases Oil Service Life by 300%

PROBLEM

Customer was experiencing critically high contamination levels in hydraulic systems.

GOALS

- Reduce moisture and particulate contamination
- Reduce fluid change out intervals
- Improve system reliability

RESULTS

- Extended gearbox oil life by 300%
- Reduced gearbox maintenance expenses by $15,000
- No rebuild required

A large hay farming operation in Oregon was experiencing critical problems with the hydraulic systems on a $100,000 hay press that was less than one year old.

The company exports hay to overseas markets, which requires the hay to be compressed into dense bales, 12 feet per side, suitable for container shipment. The denser the hay cube, the more profit per shipment. This is an extremely severe environment due to the mass amounts of dust and other airborne contaminates that are continually present.

The customer became alarmed when sample of hydraulic oil showed dangerously high levels of contamination in the press reservoir. The customer had already been performing a complete fluid change out every six months at a cost of $7,500 each time.

The customer contacted the press manufacturer who blamed the oil for the high level of contamination. They then predicted that if the contamination level was not reduced, the customer could expect a complete rebuild of the system within a year, at a cost of over $40,000.

After concluding that airborne particulates and water contamination were the source of the problem, the customer replaced the hydraulic reservoir breather caps with Air Sentry® D-101 Breathers.

Sample analysis showed a continual decrease in moisture and particle contamination. The customer was able to extend his fluid change outs from every six months to every 18 months, thus increasing the oil service life over 300% and saving the company $15,000 annually.

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