

Schroeder Industries Adds Filtration Station to Assembly Line for Roll-off Cleanliness

Background

A lawn tractor manufacturer contacted Schroeder Industries in search of a method to ensure Roll-off Cleanliness specifications were met.

End customers often took advantage of the warranty due to premature failure of equipment. This then caused the manufacturer increased warranty costs.

Solution

Upon further evaluation, large particles (>100 Micron) were discovered as the main cause for these early system and component failures in the warranty time.

An FS Filtration Station was put in place to clean the oil used in the lawn tractor through a Roll-off Cleanliness program. This now allowed for the customer to clean up the fluid prior to shipping the unit.

Specifications

Type of Machinery:	Lawn Tractor
Fluids Addressed:	Oil
Schroeder Product:	FS Filtration Station

Results

With an FS Filtration Station in place, the target ISO code level of 18/16/14 or better can now be achieved before shipping units. The OFS Filtration Station also allowed for ISO code readings to be recorded for quality tracking purposes.

Additional Benefits

- A Contamination Sensor (TCM) and a Water Sensor (TWS) are standard equipment on the FS Filtration Stations. These both provide ISO code and water saturation readouts while fluid is being filtered.
- A target ISO code can be programmed into the FS Filtration Station to stop the unit automatically after target code is reached
- The FS Filtration Station includes two (2) filter housings (choice of 18" or 27"), for staged filtration. This results in a high Beta rating and high dirt holding capacity.
- The FS Filtration Station gives the choice of 1µm, 3µm, 5µm, 10µm, 25µm and water absorbing elements
- The standard flow rate is 9 gpm. Variable 3-8 gpm options for fluids up to 1000 SUS viscosity are also available.



Filtration Station® (FS)

Schroeder
INDUSTRIES
 Advanced Fluid Conditioning Solutions®

580 West Park Road | Leetsdale, PA 15056
 ph. 724.318.1100 | fax 724.318.1200

www.schroederindustries.com