

Transportation Filtration

Heavy-Duty Air Pre-cleaners
For Leaf Trucks

Market Application Publication



Application

Leaf trucks in the City of Clemmons, NC.

The Challenge

The leaf trucks are well known for creating extremely dusty conditions. The dusty environment forced the operating crew to dump the dust collectors every hour. This was causing excessive dirt in the air filters.

The Solution

Racor's distributor Diesel Equipment suggested the Spinaire Series Air Precleaners, part number 123583440, to be installed on the leaf trucks in place of the dust collectors.



Before



After

Contact Information

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Why Racor was Chosen as the Solution

Racor was chosen as the solution because the Spinaire precleaners remove up to 90% of impurities from intake air before the air enters the filter elements. The precleaners reduced air filter element changeouts and downtime. The customer also liked that the operators no longer had to dump out the dust bowl, as it was unsafe.

How the Solution Works

Racor's Spinaire Precleaners are designed to be mounted on or connected to the air filter intake of a gasoline or diesel engine air cleaner. Pre-cleaned air flows through the outlet to the main air cleaner system and extends the life of the primary air filter, greatly increasing the air cleaner service interval, reducing operating cost, and increasing equipment uptime.

Customer Quote:

"These auto units keep our air filters cleaner."



ENGINEERING YOUR SUCCESS.

Spinaire Series

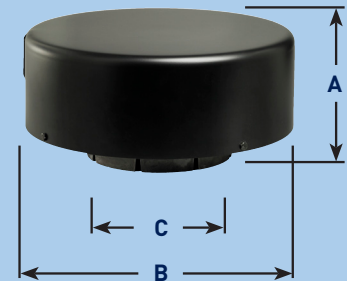
Engine Air Precleaners



Product Features

- Extends engine air filter life.
- Reduces equipment down time.
- Steel housing, black powder coat.
- High air flow, low restriction design.
- Self-powered and self-cleaning.
- No maintenance.

Dimensions



Part No.	Air Outlet ID		Maximum Airflow		Dimensions				Weight	
	C		CFM	m ³ /min	in.		cm		lbs	kg
	in.	cm			A	B	A	B		
123583440	4.0	10.2	300	8.5	4.8	8.3	12.2	21.1	5.0	2.3
123583550	5.0	12.7	520	14.7	7.1	10.6	18.0	26.9	8.0	3.6
123583665	6.0	15.2	580	16.4	7.1	10.6	18.0	26.9	8.0	3.6
123583660	6.0	15.2	740	21.0	7.1	12.3	18.0	31.2	9.0	4.1
123583770	7.0	17.8	1190	33.7	7.3	14.1	18.5	35.8	11.0	5.0
123583771*	7.0	17.8	1190	33.7	7.3	14.1	18.5	35.8	11.0	5.0
123583990*	9.0	22.9	1850	52.4	8.1	17.1	20.3	43.4	14.0	6.4
123583991	9.0	22.9	1850	52.4	8.1	17.1	20.3	43.4	14.0	6.4

*NOTE: All pre-cleaners are black powder coated. Model 123583990 and 123583771 are polished aluminum.