

# SARRC Overview

## Background

The Saskatchewan Association for Resource Recovery Corp. (SARRC) is a non-profit corporation formed by the oil, filter, antifreeze and diesel exhaust fluid (DEF) industry in Saskatchewan to develop, implement and maintain a single, cost-effective, province-wide Used Oil, Filter, Antifreeze and Container Recycling Program. SARRC was incorporated February 12, 1996. The program, approved by the Ministry of Environment, has been widely accepted and supported by consumers, industry, environmental groups, governments and other stakeholders.

## SARRC Members

Membership in SARRC is open to all first sellers of oil, oil filters, diesel exhaust fluid, diesel fuel filters or antifreeze in Saskatchewan, as defined in the Used Petroleum and Antifreeze Products Collection Regulations. As of December 31, 2020, there are 210 Members. Please refer to the website for the most recent Member List: <http://usedoilrecyclingsk.com/members/>.



## Used Oil and Antifreeze Collection

Collection facilities serve small-volume users (do-it-yourself, farm and small-business operators) who generate 15 – 20% of the used oil and antifreeze materials in Saskatchewan. Many individuals and businesses operate used oil, filter, antifreeze and oil/antifreeze/DEF container collection facilities or collect these materials from businesses and the public. There are around 110 locations across Saskatchewan where you can drop off used oil, oil filters, antifreeze and used oil, antifreeze and DEF containers for recycling.

# The Needs for and Benefits of SARRC's Program

Saskatchewan businesses and residents purchase between 35 and 40 million litres of oil every year. Before the program was introduced, less than one quarter of that amount was collected and recycled. Much of the balance was being improperly discarded in fields, in ditches, down drains and on roads.

Another 2 to 4 million litres of used antifreeze are generated annually in Saskatchewan. Used antifreeze is toxic and has to be handled with care to protect the environment and ensure that humans and animals do not inadvertently ingest it.

In addition to the used oil and antifreeze generated, Saskatchewan businesses and residents generate about 2.5 million oil filters and 1 million kilograms of oil/antifreeze/DEF containers annually. Before the program was introduced, most were discarded.

Dumping used oil or antifreeze materials can damage earth and water, hurting wildlife, humans and their pets.

## Used Oil, Filter, Antifreeze and Container EcoCentres

EcoCentres are additional purpose-built facilities that have opened for do-it-yourselfers, farmers and small business operators who change their own oil and antifreeze. Thirty-seven EcoCentres located province-wide are listed under collection facilities; please contact SARRC or visit our website at [www.usedoilrecyclingsk.com](http://www.usedoilrecyclingsk.com) for their locations and hours of operation.

# 2021 Program Results Summary

The Used Oil, Filter, Antifreeze and Container Recycling Program has achieved great success since inception in 1996.

## From January 1 to December 31, 2021

- 0.410 million kilograms of used oil, antifreeze and diesel exhaust fluid (DEF) containers;
- 1.5 million used oil filters;
- 16.7 million litres of used oil; and
- 0.271 million litres of used antifreeze were recycled.

## Since Program Start - Oct 1997 to Dec 2021

- 7.9 million kilograms of used oil, antifreeze and diesel exhaust fluid (DEF) containers;
- 42.5 million used oil filters;
- 411.6 million litres of used oil; and
- since April 1, 2014, 1.99 million litres of used antifreeze have been recycled.

## 2021 Program Results

\*Note: includes 24% reuse rate

	Sold	Available for Collection	Amount Available	Collected	Processed	Collection Rate	Target
<b>Oil (l)</b>	35,747,260	67.9%	24,272,390	16,697,171		<b>69%</b>	80%
<b>Antifreeze (l)</b>	3,428,513	43.3%	1,484,546	271,236		<b>18%</b>	50%
<b>Filters (kg)</b>	876,344	100%	876,344	1,026,398	820,913	<b>94%</b>	80%
<b>Filters (units)</b>	2,136,861	100%	2,136,861	1,558,570		<b>73%</b>	80%
<b>Containers (l)</b>	19,758,830	100%	19,758,830				
<b>Containers (kg)</b>	902,145	100%	902,145	409,863		<b>69%*</b>	75%

- SARRC's Used Oil, Filter, Antifreeze and Container Recycling Program promotes and facilitates the recovery of valuable, non-renewable resources.
- It protects the environment by diverting materials from landfills and inappropriate areas such as fields, ditches and water courses.

- It creates new business opportunities and new job opportunities for Saskatchewan people.
- It provides a single, comprehensive, cost-effective, sustainable and province-wide program in harmony with similar programs in British Columbia, Alberta, Manitoba, Quebec, New Brunswick, Prince Edward Island, Newfoundland and Labrador and Nova Scotia.

## Greenhouse Gas Estimates

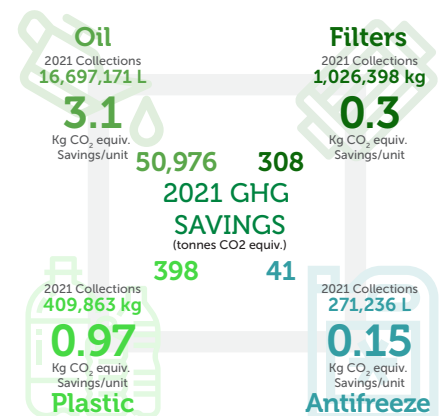
In 2021 SARRC's program saved 50,976 tonnes CO<sub>2</sub> equivalent, that's like taking 10,984 gasoline-powered vehicles off the road.

*Based on Natural Resources Canada's average emissions for a Canadian vehicle of 4,300kg of CO<sub>2</sub> equivalent/year.*

## GHG Emissions Tracking

Since 2017, when SARRC started tracking greenhouse gas emissions, the program has saved over 223,900 tonnes CO<sub>2</sub> equivalent - that's something we can all be proud of!

## Greenhouse Gas Estimates



## Recycled Products

Used oil is reprocessed into re-refined lubricating oil, industrial burner fuel and other products. Used oil filters are processed into structural metal shapes for the manufacturing of industrial and agricultural products. Plasticoil/antifreeze/DEF containers are recycled into industrial posts, railroad crossings, plastic pipe and new containers. Plastic 20-litre pails are refilled with bulk lubricants or cleaned and re-used for a wide number of applications. Used antifreeze is highly recyclable, with most used antifreeze being processed into new commercial antifreeze.