



# ROSE REPORT

RECYCLING OIL SAVES THE ENVIRONMENT

## Job Creation in Used Oil



A significant number of jobs have been created through the recycling of used oil, according to research recently commissioned by The ROSE foundation (Recycling Oil Saves the Environment) to quantify the economic contribution of the used oil value chain in terms of employment in South Africa. Duncan Brett of The Research

Lampost, reported the research findings to the ROSE Board at their September meeting.

In an annual market for used oil collected and processed of 120 million litres per annum in South Africa, the recycling industry employs approximately 1291 staff, ranging from drivers and administrators, to sole operators and managers.

There are about 100 licensed collectors, 17 licensed processors and 13 licensed bulking points, operating across the used oil recycling industry in South Africa. There are an additional number of unlicensed operators, many of which do not comply with waste management legislation.

Demographically, the employment profile in the industry is mostly male (85%) and African (64%). In larger operations, the top management is mostly African (37%) or white (34%). In smaller businesses, the sole operators are 41% African, 41% white, 12% Indian and 6% coloured.

The majority of collectors and processors are situated in Gauteng, where the biggest volumes are collected. Almost 50% of the oil is collected in Gauteng, with the bigger collectors (600kl/pa or more) collecting 75% of the used oil.

An entrepreneurial spirit thrives among a number of small, part-time collectors who combine used oil collection with other services such as selling automatic lube systems, fire suppression, garage equipment and hydraulics, hazardous waste removal, scrap metal collection, cleaning wash bays and Collection and processing of plastic oil bottles and used oil filters.

The used oil industry is a highly competitive business, with most collectors saying that the biggest challenges they faced were fierce competition and pricing, which in turn affected their profit margins and sustainability.

“Overall, this is a recycling success story – the used oil industry is a sustainable sector that not only employs many people but also effectively supports their dependents,” says ROSE Foundation CEO, Bubele Nyiba.

“Recycling can only work if it is economically sustainable and the ROSE foundation’s challenge is to ensure the environmental imperative is supported by an effective recycling business model – we offer support in the form of training, audits, equipment and incentives, and we work with all the lubricants industry stakeholders towards continuously increasing recycling volumes.”

## Welcoming Motul



ROSE welcomes Motul as the newest member of the Foundation. Motul is a world-class French company specialised in the formulation, production and distribution of high-tech automotive lubricants as well as lubricants for industry via its MOTULTECH activity.

“As a company with over 160 years of history, Motul understands the importance of leaving a positive legacy – which is why we’re proud to support the ROSE Foundation’s work to promote the environmentally sensitive management of used oil.” - Mercia Jansen: Area Manager Eastern and Southern Africa.

## ROSE Board Visits Processors FFS Refiners



ROSE Board members visited FFS Refiners Pietermaritzburg recently to review their used oil refining processes and products. FFS Refiners (Pty) Ltd is a leading supplier of industrial heating fuels in South Africa. Their Pietermaritzburg branch produces a very high-quality Group 1 SN 150 Base Oil that meets and exceeds international standards for this type of product.

Their processing facilities utilise a full range of technologies from thermal evaporation, static separation, low and high-speed centrifugation, filtration, blending, distillation, hydrogenation and cracking in order to achieve a wide range of products to exacting specifications.

They also have facilities for processing oily effluent water. Internal quality management systems ensure products consistently comply with the required specifications.

## WESSA Schools Competition

**1 LITRE OF USED OIL CAN CONTAMINATE MILLION LITRES OF WATER**  
RECYCLE YOUR USED LUBRICATING OIL RESPONSIBLY  
[www.rosefoundation.org.za](http://www.rosefoundation.org.za)

**DANGER!**  
Pouring oil down a drain is a criminal offence and could result in a prison sentence of 15 years. Used oil is classified as a hazardous waste due to the harmful compounds and carcinogens which it may contain. The storage and disposal of oils in South Africa are strictly governed by environmental laws such as the Waste Act, 2008.

**RECYCLING OIL SAVES THE ENVIRONMENT**  
*Use Your Sumpy*  
Available at most spares outlets  
[www.rosefoundation.org.za](http://www.rosefoundation.org.za)

**Did you know?**  
In October, South Africa celebrates African Penguin Awareness. Competition for fish, guano harvesting for fertiliser, predation from gulls, seals and sharks, marine pollution and oil spills have reduced penguin populations to under 50 000. This means that our only penguin species is endangered and needs our help to survive.

WESSA Eco-Schools – in support of the theme Waste

The WESSA Eco-Schools Programme

**In support of the theme Waste**

*How to ...*  
**dispose of oil responsibly**

What is the ROSE Foundation?  
Recycling Oil Saves the Environment or ROSE, is a national non-profit organization that has championed the recycling of used oil since 1994.

ROSE Eco-Schools WESSA

WESSA Eco-Schools – in support of the theme Waste

**How Waste-Wise are you?**

Find out how well waste is managed at your school with this check list! For 100 answers score +2, 80 answers -1 and if you are working towards this score but not quite there yet, score +1!

**SCORE**

- Oil is recycled
- Litterbugs are the only bugs counted at our school
- The school library and waste collector have been placed in a safe position in the area and provide notices
- Tyres are re-used as borders, furniture or for play
- We have reduced the need to use plastic shopping bags
- We have identified a local tree, washed or pruned and arranged a community clean-up
- We are RE-USING WASTE in arts and crafts
- Waste is not buried or burnt
- METAL
- PAPER
- We require a litter-free environment in our school, stadium or sports ground
- PLASTIC
- WE ARE RECYCLING
- GLASS
- All 8 waste collector has been found and all are collecting electrical appliances for recycling, repair and other waste
- BREAD TAGS are collected to serve a purpose in need
- We have a COMPOST garden which is used to grow vegetables to donate to the school
- Our food garden reduces the need for packaging
- Carbure in our area use a SUMPY system to collect used car oil
- We have 100% of our 1000 liter drums recycled
- Recycling Oil Saves the Environment
- Lessons have changed to use less paper
- NO IS 20% better in our community

WESSA

Oil Recycling Rocks - The WESSA Schools environmental awareness competition sponsored by the ROSE Foundation is in full swing. Learners are being educated about used oil and are invited to create a poster /video clip about the importance of recycling.

Add us to your address book: [usedoil@iafrica.com](mailto:usedoil@iafrica.com)

