



# Case Study

Providing a safe and mobile solution to help a gas transmission company in Queensland with decanting of equipment on the road and in the field.

## OVERVIEW

A leading provider of gas transmission services in Central Queensland approached Fuelfix with a specific requirement: a self-bunded waste oil trailer capable of efficient and safe waste oil management in remote locations. The client needed a solution that could decant equipment on the road and in the field, ensuring the waste oil could be safely transported and discharged at the depot.

## CHALLENGE

Prior to engaging with Fuelfix, the company faced challenges in managing waste oil, using buckets for the decanting of equipment on the road and in the field. The existing method involved manually carrying buckets up the stairs to pour waste oil into intermediate bulk containers stored on an elevated platform. This process was not only labour-intensive but also posed safety risks to the workers and the environment. The client sought a more efficient and safer method to handle waste oil, especially in remote areas where accessibility and reliability are crucial.

## SOLUTION

Fuelfix designed and delivered a self-bunded waste oil trailer with a 1,000-litre safe fill capacity. The trailer was equipped with a diesel-powered pump that could both decant and dispense waste oil through a dedicated hose reel. The pump, an Australian-made Ebsray gear pump, was chosen for its reliability and efficiency, operating at a suction rate of 150 to 200 litres per minute and a discharge rate of 200 to 250 litres per minute.

LOCATION	Wallumbilla Gladstone, central QLD
YEAR	2022
INDUSTRY	Gas Transmission Services
FOCUS	Provide a self-bunded trailer specifically designed for going off road, and also being self powered
SOLUTION	Self Bunded trailer with a diesel powered pump that both decants and dispenses waste oil through a dedicated hose reel.

### Trailer features

- **All-Steel Construction:** Ensuring durability and robustness for off-road conditions.
- **Dual Axle Design:** Providing extra strength, stability, and excellent ground clearance.
- **Heavy-Duty Components:** Offroad tyres, mechanical over-ride disc brakes and a heavy-duty jockey wheel.
- **Safety Features:** 32L spill kit, LED combination taillights, and an emergency stop button with a lockable battery isolation switch.

The implementation process was seamless, thanks to Fuelfix's extensive experience in designing and delivering custom fuel and waste oil trailers. The project was completed on time, and the trailer was road-registered with all required signage ensuring compliance with Australian standards.

### VERDICT

The new waste oil trailer significantly improved the client's waste oil management process. The self-powered pumping solution eliminated the need for manual handling, reducing the risk of injuries and increasing operational efficiency. The robust design of the trailer ensured it could withstand the harsh conditions of remote locations, providing a reliable solution for waste oil removal and storage.

The client's team on the field expressed their satisfaction with the solution provided by Fuelfix. The trailer not only met but exceeded their expectations, offering a safe, efficient, and reliable method for managing waste oil. The client highlighted the ease of use and the significant reduction in time and effort required to handle waste oil, particularly in remote areas.



### Fuelfix and Tanks2Go Custom solutions

The collaboration between the client's team on-site and Fuelfix resulted in a successful project that addressed the gas transmission company's challenges and provided a robust solution for waste oil management. This case study exemplifies Fuelfix's commitment to delivering innovative and reliable solutions tailored to the specific needs of clients in the mining, construction, and civil infrastructure industries in Australia.



For more information on how Fuelfix can help your business with custom fuel and waste oil solutions, visit our [Engineered Solutions](#) section on the website.