

Fuelfix 10-Yearly Tank Inspection Program



What is a 10-year inspection?

AS1940:2017 – The Storage and handling of flammable and combustible liquids is the standard applied to the installation, operation and maintenance of hydrocarbon storage facilities within Australia.

Section 9 – Operational and Personnel Safety sets out the requirements for operational safety to all storage types excluding Minor Storage.

Minor storage is determined by the liquid type and the application however as a general rule, when used outdoors, “Minor Storage” applies to flammable Liquids < 5000 litres and combustible liquids < 10,000 litres.

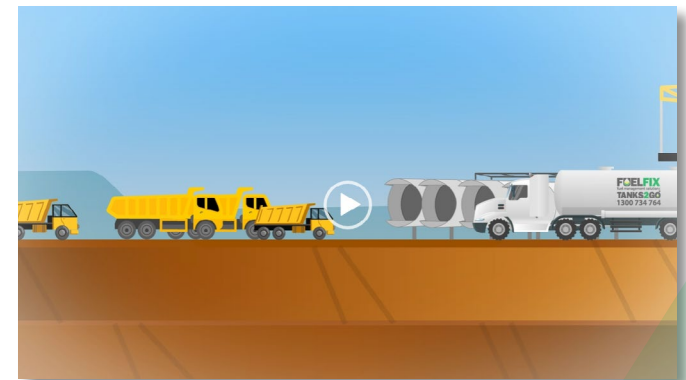
To determine if your tank is classified as “Minor Storage” refer to Table 2.1 of AS1940:2017 or discuss your installation with the knowledgeable Fuelfix & Tanks2Go team today.

For all tanks or installations exceeding minor storage there is a recommendation detailed in Section 9 for tanks to be inspected at intervals not exceeding 10 years. The recommendations of Section 9 relate to tank shells with an emphasis on floors, tank supports, fittings, valves, vents, welds, paintwork and surface condition. There are also additional recommendations throughout AS1940 for pipeline, vacuum and pressure relief systems just to name a few.

Our 10-Yearly Inspection Program has been developed to ensure that all testing recommended within AS1940:2017 is performed!

The 10-Yearly Inspection Program developed by Fuelfix & Tanks2Go complies with the requirements of AS1940:2017.

Internal procedures and test practices have been developed by our Engineering team after consultation with tank manufacturers and review of AS1940, AS1692 and UL142.



Watch this 90-second explainer video that outlines the Fuelfix 10-Yearly Inspection Program.

Why Fuelfix

We have over two decades of technical and practical knowledge, so you can rest assured you are in good hands.

Our extensive knowledge of tanks from all manufacturers and the applicable Australian and international standards ensures your inspection is performed in a professional and thorough manner. We will leave no stone unturned to ensure your site remains safe and complies with AS1940:2017.

As the authorised repair agent of Transtank and Western Global products, we only use genuine OEM approved components during our inspection process.

We also offer solutions to improve your asset performance during the inspection along with on-going support from day-1 with the help of our highly skilled and experienced personnel. There is no need to halt operations while we inspect your tank. We can keep your site running smoothly with the supply and installation of an exchange tank from our hire fleet!

Better Handled Fuel, Better Outcomes.

The Fuelfix Benefit

- Innovative fuel management solutions
- Lower total cost to sell or use fuel
- Highly specialised end-to-end services
- Established Australia-wide footprint in most areas
- Access to skilled response teams when you need them
- Short project lead times
- Maximising equipment uptime
- Increased efficiency and flexibility
- Stress free tracking of legislative requirements
- Responsible practices that minimise health, safety, security and environmental impacts

Our Service

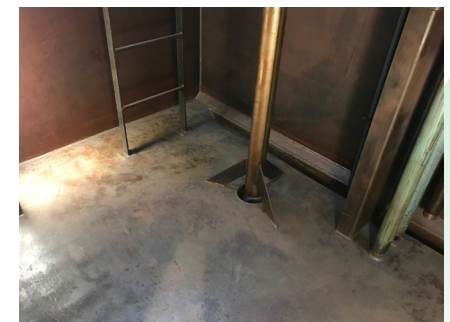
Our 10 Year Inspection process is more than a thickness test – a basic inspection includes the following –

- Drain and clean the tank to remove 100% of built-up sediment, dirt, coal dust, sludge etc.
- Internal and external weld inspection.
- Internal and external NATA-accredited steel thickness testing to ensure steel thickness is within allowable manufacturer, AS1692 or UL142 tolerance as applicable.
- Interstitial leak test and replace (as required) interstitial emergency venting devices.
- Vacuum test of anti-siphon valve to ensure compliance with AS1940_5.9.2(j). Thermal relief capability of the valve is also tested to ensure compliance with AS1940_6.2.1(g) and 9.15(b). The valve is then overhauled or replaced as required.
- Test overfill prevention valve to ensure compliance with AS1940_5.9.2(j), 5.9.2(n) and 6.3.1(b). The valve is then overhauled or replaced as required.
- Install new firesafe isolation valves to the fill and suction outlets of the tank – exceeds AS1940_9.17.1 requirements to overhaul / test.
- Touchup external paint coatings as required to stop further degradation of any damaged surfaces.
- Service overfill warning alarm or supply new unit if not operational or not installed.
- Leak test pipeline (internal and external) in accordance with the requirements of AS1940_9.16.
- Supply and install new OEM-standard decals and affix a 10 Year Inspection placard to the tank
- Provide comprehensive dossier in hard and soft copy

Internal Cleaning of the Tank



Before



After

Additional Services and Upgrades

Given the age of the equipment, advances in hydrocarbon handling solutions and the everchanging needs of our customers the time that your tank is taken “out of service” during a 10-Yearly Inspection is also the perfect opportunity for those long overdue upgrades or repairs to increase your tanks’ performance, efficiency or safety.

At Fuelfix & Tanks2Go we love the opportunity to work with our valued customers to optimize their fuel storage capabilities with some of the following –

- Dispensing rate upgrades with flowrates up to 1000 litres per minute achieved.
- Loading arms, highmasts and hoses to improve operator ergonomics and reduce the risk of injury.
- Filtration solutions – cleaner fuels drive down running costs and reduce environmental impacts. With the recently passed NSW Exposure Standard for Diesel Particulate in NSW Mines its never been more vital to lower diesel exhaust emissions
- Electrical upgrades to the current AS3000 / AS3007 or customer provided specifications.

- Fuel Management and Tank Gauging systems to optimize fuel control and reconciliation.
- Tanker unloading systems capable of up to 1600 litres per minute road tanker unloading. This allows a larger load to be delivered into the tank and a faster turnaround on the delivery – reduced driver fatigue and quicker return to availability.
- Conversion from diesel driven to electric-drive power systems.
- Complete bare metal blast and respray services.
- General repairs to doors, handrails, highmasts etc from general wear and tear or vehicle impact.
- Engineered electrical and process drawings.
- Ongoing preventative maintenance and calibration programs to ensure your equipment operates at its peak and also in accordance with AS1940:2017_9.11(e) and 9.17.1(a).

With our extensive knowledge in managing maximum performance from our own fleet, Fuelfix & Tanks2Go can assist your business to maximise the life of your fuel infrastructure and the return on your investment.

A Proven Solution

As an industry leader in hydrocarbons innovation and tailored fuel management solutions, we are no strangers to the 10-Yearly Inspection Program. Our initial offering of this service, a first for self-bunded portable tanks, was in 2016. Never content to rest on our laurels, we continue to tailor our services according to the changing industry demands and customer feedback.

Benefits of Fuelfix 10-Yearly Tank Inspection services and performance upgrades:

Compliance & Safety – With an ever-increasing focus on compliance and safety, it is reassuring to know that your installation is compliant and safe for use. Moreover, Fuelfix & tanks2Go issues a comprehensive testing report dossier as a record of that compliance.

Performance – from the smallest of gains to a complete makeover, we have an in-house team of experts to design, fabricate and test your tailored solution.

Cost savings – the repurposing of an existing asset reduces project costs when compared to a new purchase with no adverse effect on compliance, safety or performance.

Reduced waste – the continued use of existing assets reduces the environmental impacts associated with the disposal of the asset and manufacture of a new solution.



Before



After

FUELFIX & TANKS2GO

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