

You're Ref: TP/IP/07267/2022  
Our Ref: CI/TPD22003626/P

5<sup>th</sup> May 2022

**General Investigation Team**

Traffic Police Department  
Singapore Police Force  
10 Ubi Avenue 3  
Singapore 408865

**MECHANICAL INSPECTION REPORT OF PRIME MOVER XE 1942P**

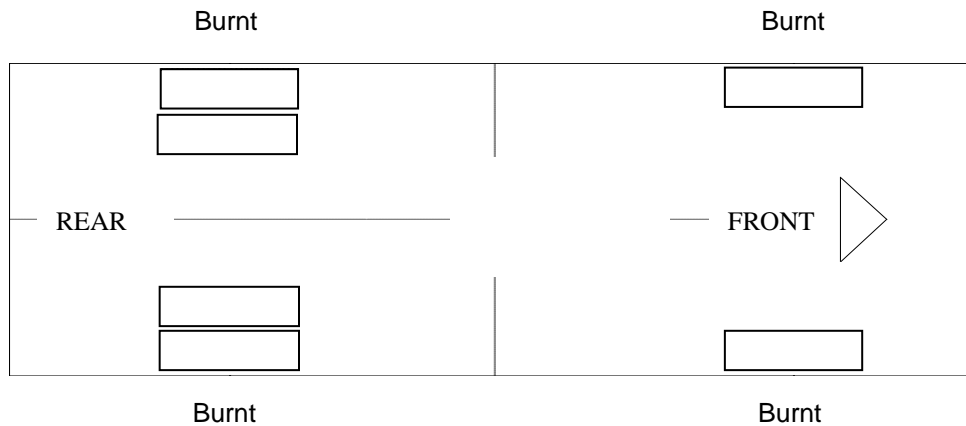
1. I refer to your request on 15<sup>th</sup> March 2022 to conduct a physical inspection of a Prime Mover bearing registration number XE 1942P (herein referred to as "**Prime Mover**"), which was involved in a road traffic accident and fire incident on 1<sup>st</sup> April 2022 resulting in the whole Prime Mover to be badly burnt.
2. The objective of the inspection is to determine if there was any possible foul play which is related to the fire on the Prime Mover or the road traffic accident that may have resulted to the fire.
3. Following the request, I had carried out a physical inspection of the Prime Mover on 27<sup>th</sup> April 2022 at the premises of Traffic Police vehicle pound, 517 Airport Road Singapore 539942. I now set out below my observations and comments with respect to this inspection.

**General Condition**

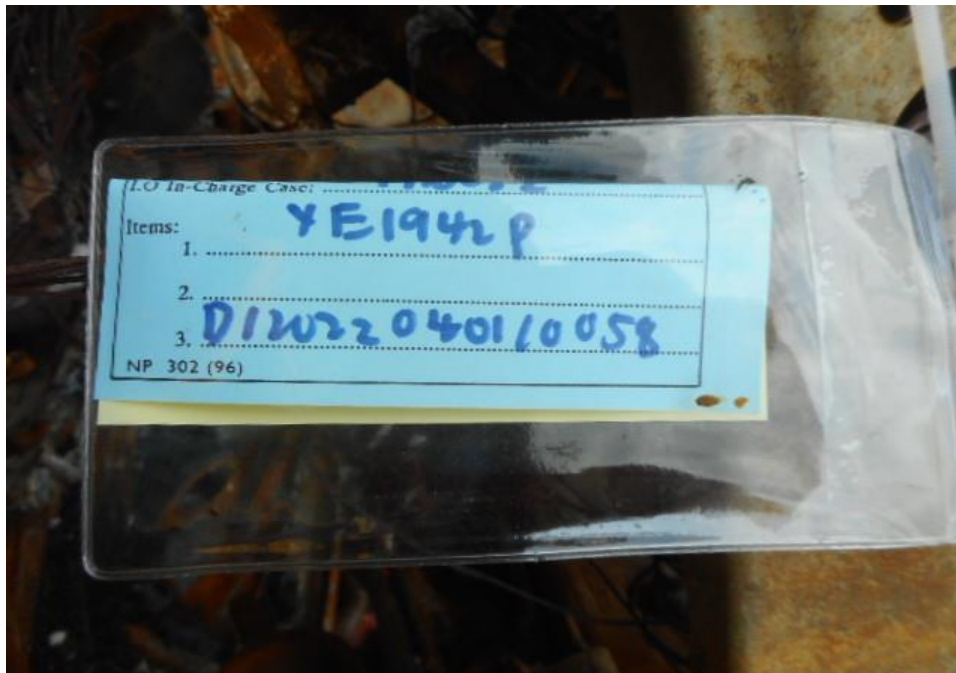
4. The mileage of the Prime Mover at the time of my inspection was not recorded as the whole vehicle was badly burnt.
5. The Prime Mover was observed to have sustained severe fire damages all round and we had further observed that it had also sustained physical damage at its front cabin portion. Its whole front cabin were amongst the body parts that were damaged as a result of the road traffic accident.

## Tyres and Wheel Rims

6. The 6 tyres of the Prime Mover were observed to be unserviceable condition as they were all burnt as a result of the fire.



7. The 6 tyres and steel wheel rims were observed to be burnt as a result of the fire. Photo 1 - 11 below.



**Photo 1** shows the identification number of the Prime Mover's front body at the time of my inspection.



**Photo 2** shows a general view of the Prime Mover's front body at the time of my inspection. The front cabin of the Prime Mover was observed to be damaged as a result of the accident and fire.



**Photo 3** shows a close up view of the Prime Mover's front body at the time of my inspection. The front cabin (circled) of the Prime Mover was observed to be damaged as a result of the accident and fire.





**Photo 4** shows a general view of the Prime Mover's right body at the time of my inspection. The right portion of the Prime Mover was observed to be damaged as a result of the accident and fire.



**Photo 5** shows a general view of the Prime Mover's left body at the time of my inspection. The left portion of the Prime Mover was observed to be damaged as a result of the accident and fire.



**Photo 6** shows a general view of the Prime Mover's rear body at the time of my inspection. The rear portion of the Prime Mover was observed to be damaged as a result of the accident and fire.



**Photo 7** shows the general view of the interior compartment of the Prime Mover at the time of our inspection. Its interior compartment was completely burnt and damaged as a result of the fire and accident.





**Photo 8** shows the condition of the front right tyre of the Prime Mover, which were observed to be in unserviceable condition as it was badly burnt as a result of the fire.



**Photo 9** shows the condition of the rear right tyres of the Prime Mover, which were observed to be in unserviceable condition as it was badly burnt as a result of the fire.



**Photo 10** shows the condition of the rear left tyre of the Prime Mover, which were observed to be in unserviceable condition as it was badly burnt as a result of the fire.



**Photo 11** shows the condition of the front left tyre of the Prime Mover, which were observed to be in unserviceable condition as it was badly burnt as a result of the fire.



### Engine Compartment & Operating Fluids

8. Upon examination of the Prime Mover's engine compartment, we were unable to conduct a check as all the engine components in the engine compartment had been burnt as a result of the fire. See photo 12 below.



**Photo 12** shows the engine compartment (arrowed) of the Prime Mover, all the engine components had been burnt as a result of the fire.

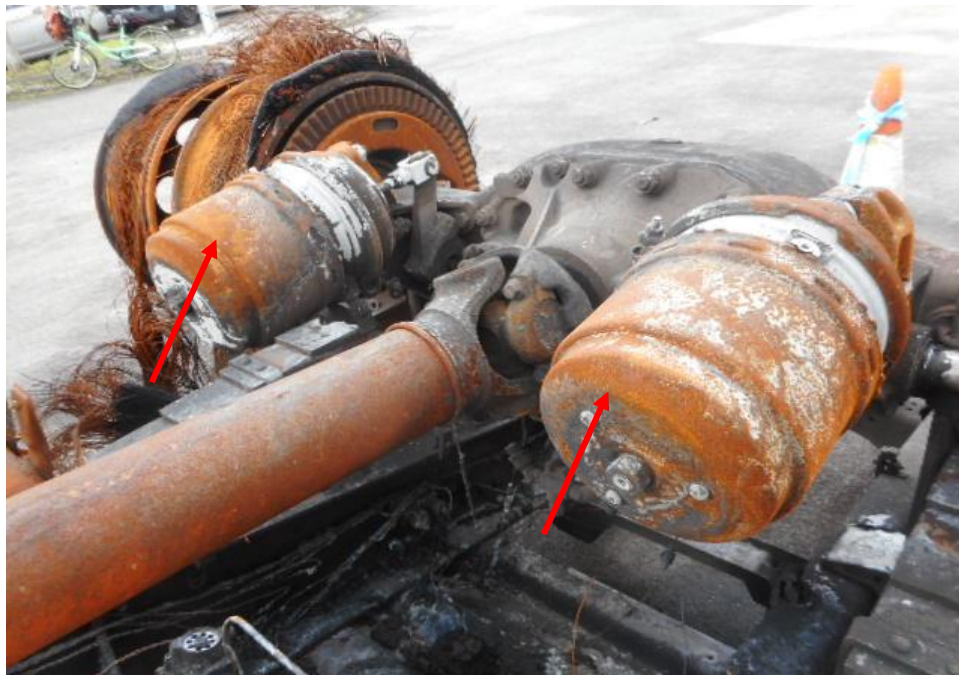
### Steering System & Braking System

9. Static braking and steering tests were not conducted on the Prime Mover as the braking and steering controls were burnt as a result of the fire. Our visual inspection of the mechanical components of the Prime Mover observed that its undercarriage braking and steering system components were all burnt by the fire. See photo 13 - 15 below.

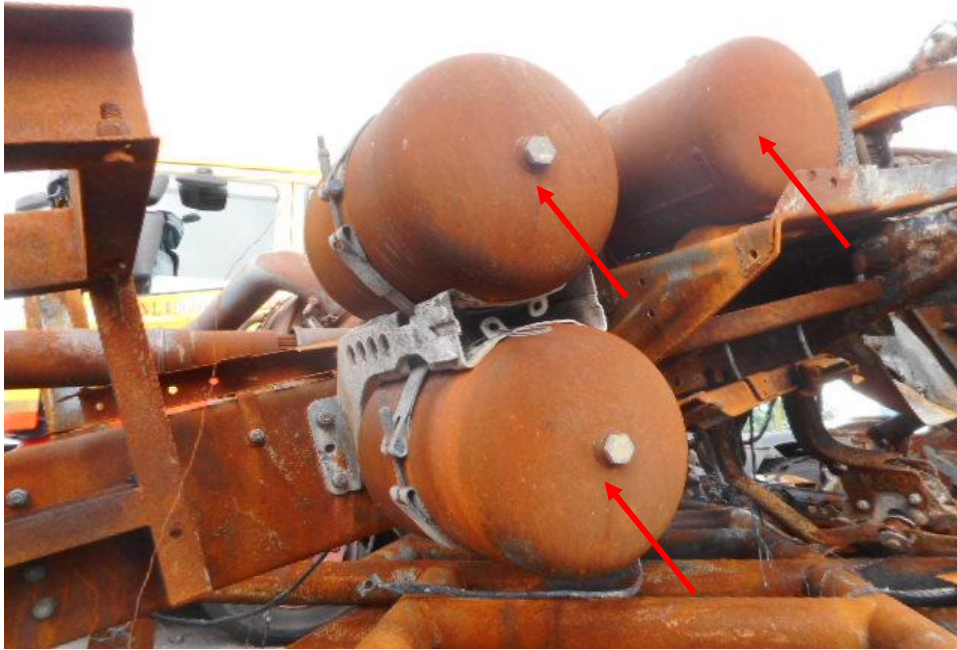




**Photo 13** shows the steering box component (arrowed) at the front of the Prime Mover, it was observed to be burnt as a result of the fire.



**Photo 14** shows the air brake component (arrowed) at the rear of the Prime Mover, it was observed to be burnt as a result of the fire.



**Photo 15** shows the air brake component (arrowed) at the left of the Prime Mover, it was observed to be burnt as a result of the fire.

### **Electronic Safety / Warning Indicators**

10. The static test of the Prime Mover electronic safety system could not be inspected as the whole front cabin was burnt and crushed as a result of the accident and fire.

### **Operational Behaviour of the Prime Mover**

11. An operational test of the Prime Mover was not conducted as the Prime Mover was badly burnt and damaged by the result of the accident and fire.



**Conclusion**

12. For this particular case, I was unable to determine whether there was any possible mechanical failure to the Prime Mover that may have contributed to the accident. The extent of damage that it had sustained had prevented me from Carrying out any operational test(s) and/or static test(s) to its engine system, transmission system, steering system, braking system and suspension system.
13. The 6 tyres of the Prime Mover were also found to be unserviceable condition as they were all burnt as a result of the fire to the Prime Mover



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