<Reference materials>

1) Details of the subject Japanese models

(1) Diesel engines for forklifts

Overview	1ZS model	1KD model 2014		
Year of certification application	2014			
Emission volume	1,795 cc	2,982 cc		
Forklifts on which engines are equipped (carrying capacity)	GENEO (1.5 - 3.5t) ^{**}	GENEO (3.5 - 8.0t)		
Sales volume in FY2021	8.0 thousand units	1.4 thousand units		
Total (accumulated) sales volume (as at the end of February 2023)	60.6 thousand units	10.7 thousand units		
Potential violation of regulations during deterioration durability testing	Yes	Yes		
Excess over the emissions regulation values	Yes	Yes		

(2) Gasoline engines for forklifts

Overview	4Y model		
Year of certification application	2009		
Emission volume	2,237 cc		
Forklifts on which engines are	GENEO (1.0 - 3.5t) ^{**}		
equipped (carrying capacity)	GENEO (1.0 - 3.5t)		
Sales volume in FY2021	7.1 thousand units		
Total (accumulated) sales volume	88.3 thousand units		
(as at the end of February 2023)	00.5 mousaile units		
Potential violation of regulations			
during deterioration durability	Yes		
testing			
Excess over the emissions	No		
regulation values	140		

*1ZS model and 4Y model are loaded on "shovel loaders" in addition to the above forklift "GENEO" (Sales volume in FY2021: 0.1 thousand trucks; total (accumulated) sales volume: 0.9 thousand trucks)

2) Acts potentially in violation of the Japanese regulations during deterioration durability testing

Acts found during an investigation led by external lawyers so far, etc., and the main details presumed to be their background are as follows, which will be confirmed by the special investigation committee.

(1) Diesel engines for forklifts

- (i) Estimated exhaust gas component values were used instead of the actual measured values.
- Because the PM values contained in the exhaust gas became high during the test, the fuel injector was improved; no re-test was conducted thereafter, and estimated values premised on loading the improved fuel injector were used as the test results.

(ii) Operation mode for testing was achieved by changing the control software at engine side

- The engine operation conditions required for testing should have been achieved at the equipment (test bench) side; however, since it was difficult due to equipment specifications, the test was conducted with partial change in control software at engine side (The same acts are also confirmed in the case of diesel engines for construction machinery).

(2) Gasoline engines for forklifts

(i) Parts replacement during tests was conducted.

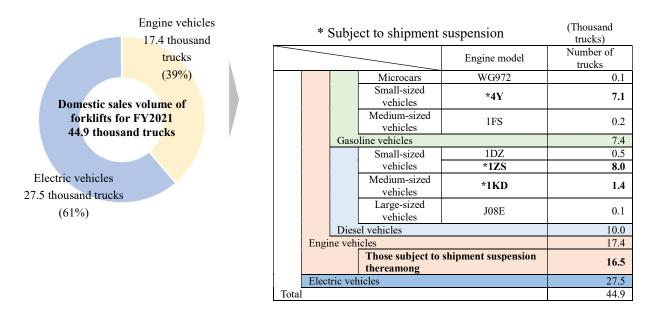
- Because the NOx value contained in the exhaust gas became high during the test, in order to check the effect of the O₂ sensor (sensor that measures combustion state), NOx value was measured by temporarily using an O₂ sensor of a different specification, and the tests were continued.

(ii) The actual measured values of exhaust gas component were not used as they were.

- Some of the measured values were considered outliers and therefore unused as they were; instead, measured values of the same model engine from another durability test were used as test results.

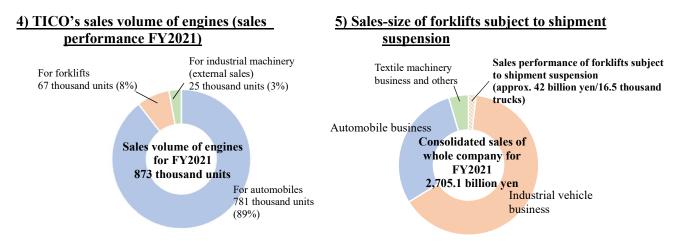
3) TICO's sales volume of forklifts (sales performance for FY2021)

(1) [Domestic sales] Breakdown according to power/engine model



(2) [World sales] Breakdown according to power/region

	(Thousand trucks											
		Japan	North	Europe	Others	Total (Composition ratio)						
				America								
		Gasoline vehicles	7.4	7.5	5.3	13.7	33.9	(12%)				
	Eng	Diesel vehicles	10.0	4.4	6.3	21.8	42.5	(15%)				
		ine vehicles	17.4	11.9	11.6	35.5	76.4	(27%)				
	Electric vehicles		27.5	64.0	80.8	32.3	204.6	(73%)				
Tota	Total		44.9	75.9	92.4	67.8	281.0	(100%)				



6) Japanese emissions regulations for forklifts

The "Regulations for Emissions from Non-Road Vehicles (the Primary Regulations)" have applied to diesel engine forklifts running on public roads (on-road vehicles) since October 2003. Since the Secondary Regulations that commenced in October 2006, the regulations have applied to gasoline engine forklifts and off-road vehicles that do not run on public roads as well. The latest regulations are the Fourth Regulations (since October 2014). There are no regulations concerning fuel consumption with respect to forklifts.

End