



Yhteistyössä Finavian kanssa

Rengastestin arviointi Oulun lentoasemalla



www.eurofitting-solutions.com

Testiajoneuvot

- 2 samanlaista AFFV Panther 6x6 valmistettu 2004
- 680 HP, kokonaismassa 33 tonnia, maksiminopeus 95 km / h
- 8000 litraa sammutusvettä säiliössä
- Rengaskoko 16.00R20
- Renkaat ilman nastoja

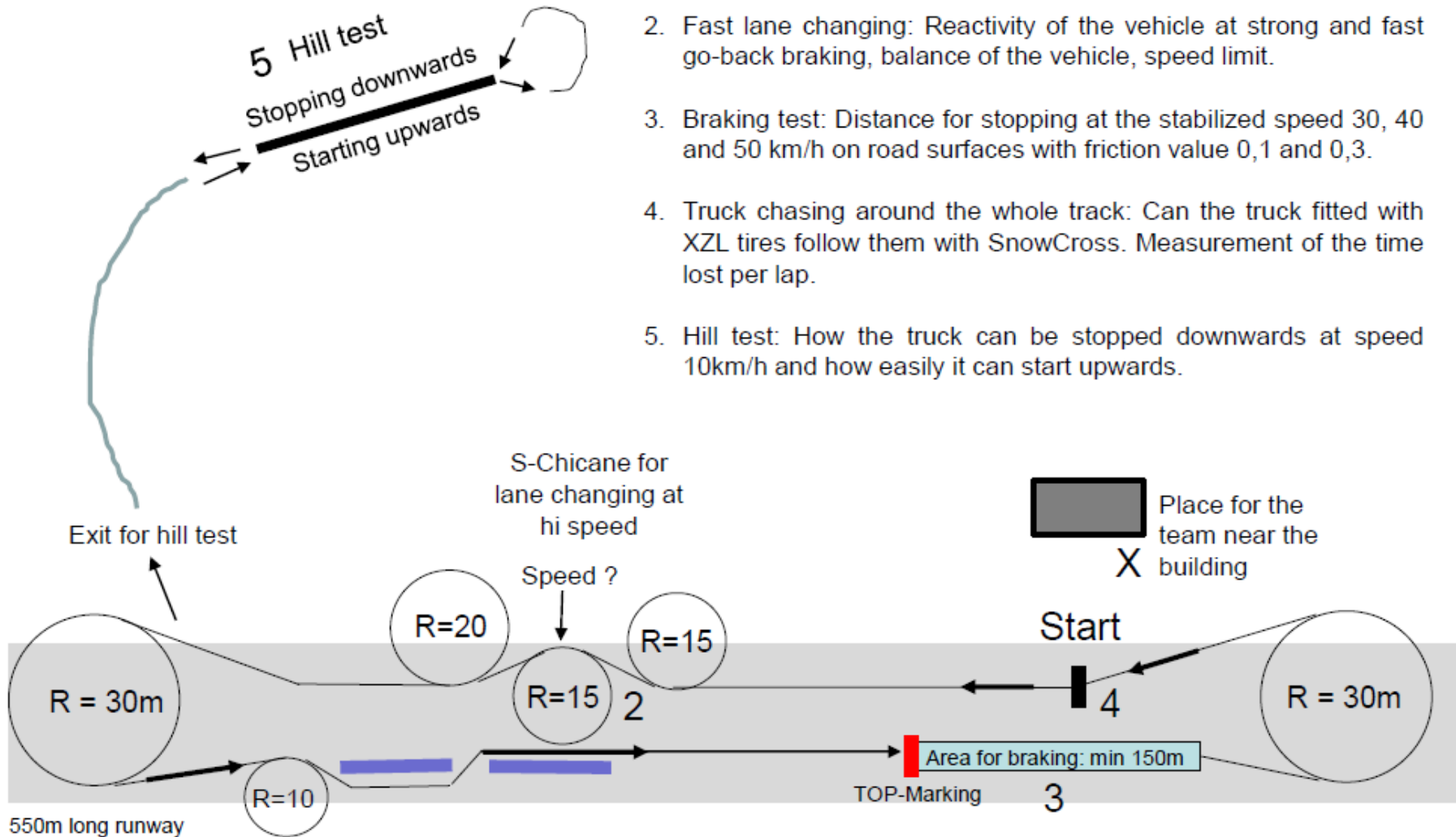


Keli ja tieolosuhteet

- - 18 ° C ulkolämpötila, kuiva keli, noin 40 cm lunta maassa
- Testiradan mitatut kitka-arvot 0,1 (puhdas jää) ja 0,3 (lunta jääpinnalla) välillä
- Ei havaittavissa tuulta

The trails and measurement program:

1. On the whole track: Controllability and balance of the truck at curves, braking's, accelerations, fast lane changing, steering response and stability at higher speed.
2. Fast lane changing: Reactivity of the vehicle at strong and fast go-back braking, balance of the vehicle, speed limit.
3. Braking test: Distance for stopping at the stabilized speed 30, 40 and 50 km/h on road surfaces with friction value 0,1 and 0,3.
4. Truck chasing around the whole track: Can the truck fitted with XZL tires follow them with SnowCross. Measurement of the time lost per lap.
5. Hill test: How the truck can be stopped downwards at speed 10km/h and how easily it can start upwards.



Testing track 1100 m

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Nopea pelastusajo (1)

Kaistan vaihto / Esteen väistö (2)

Asteikko

1 = Huono

5 = Erinomainen

2b Ajoneuvon tasapaino ja vakauttaminen jarrituksen jälkeen

1a Helppo hallita nopean pelastusajon aikana

◆ XZL

■ SnowCross

1b Rento tai stressaava nopea pelastusajo

2a Ajoneuvon reaktio kovan jarrituksen aikana

//// NordicTire™ ////

Jarrutusmatka

SnowCross verrattuna normaaliin offroad renkaaseen XZL

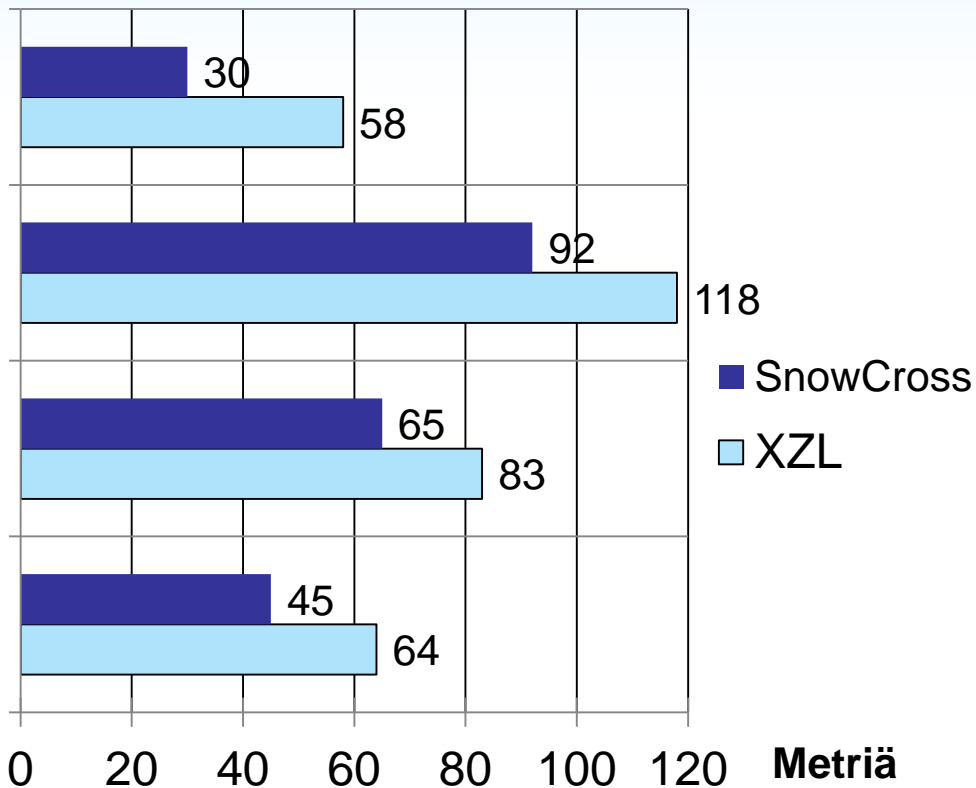
μ = Kitkakerroin

50 km/h μ 0,3 lunta jään päällä

50 km/h μ 0,1 puhdas jää

40 km/h μ 0,1 puhdas jää

30 km/h μ 0,1 puhdas jää

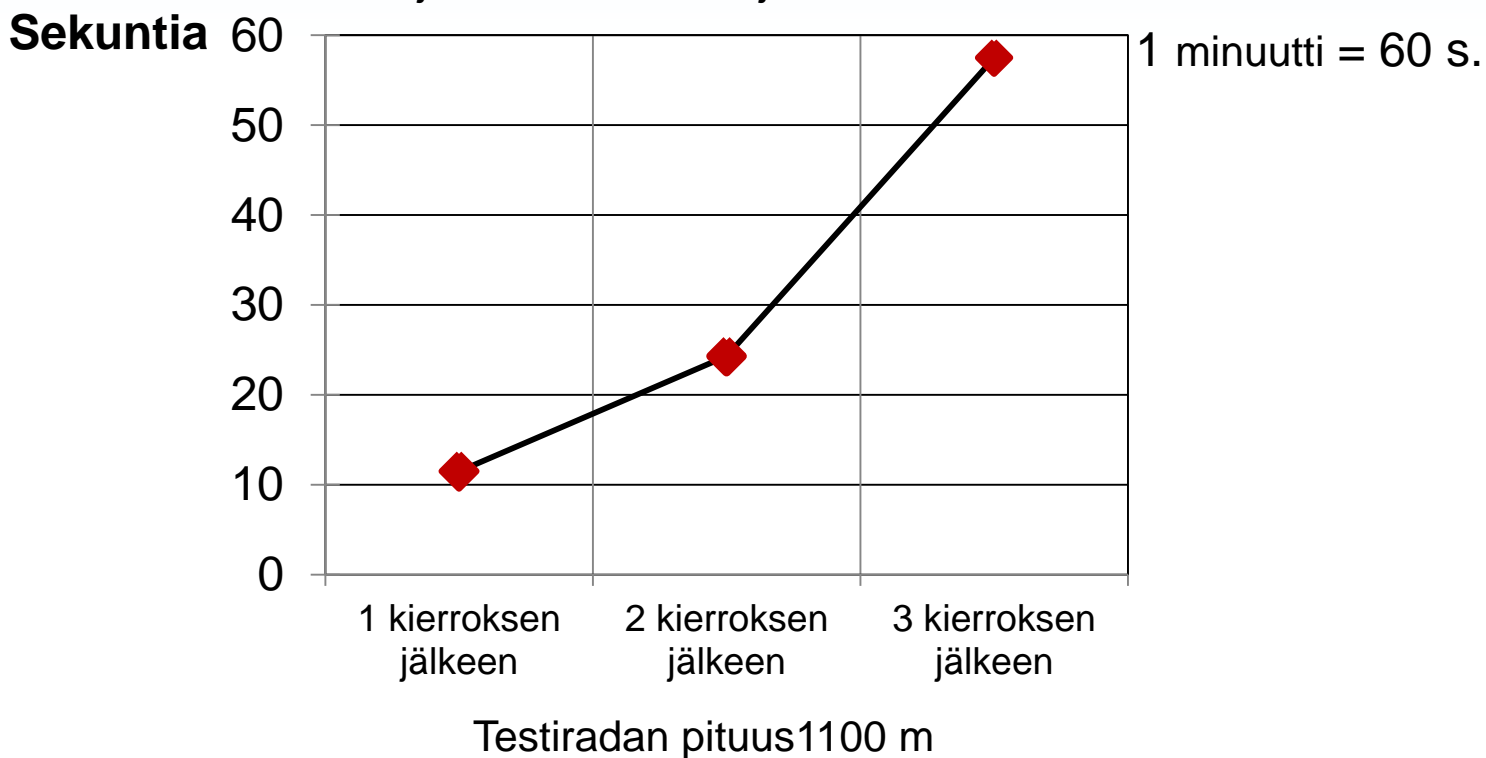


Ajojahti testi /Ajanhukka simulointi

XZL renkain varustettu ajoneuvo seuraa SnowCross renkain varustettua ajoneuvoa



XZL ajoneuvon kertynyt ajanhukka SnowCross ajoneuvon taka-ajon aikana



Summary of evaluations

Trails	Evaluations	Value	XZL	SnowCross
Part 1: Subjective evaluations made by 2 professional fire fighters				
1a	The truck is easy to control and follow my directives. I enjoy to drive it.	1 to 5	2	3
1b	During fast driving I'm feel quiet and safe or I'm stressed and nervous:	1 to 5	1	2
2a	Reactivity of the vehicle at strong go-back braking:	1 to 5	2	4
2b	Balance of the vehicle and difficulties to re-stabilize it after brakings:	1 to 5	3	5
Total of points:			2	3,5
Part 2: Measurements of speed limit and braking distances				
2c	Maximum speed I can cross the chicane on a safe way:	km/h	30	45
Braking test on ice with mesured friction coefficient 0,1				
3a	Braking distance with speed 30 km/h	m	64	45
3b	Braking distance with speed 40 km/h	m	83	65
3c	Braking distance with speed 50 km/h	m	118	92
Braking test on ice with mesured friction coefficient 0,3				
3e	Braking distance with speed 50 km/h	m	58	30
Chasing test around the whole track				
4a	Time lost from the following truck after 1 lap	s	11,5	/
4b	Time lost from the following truck after 2 laps	s	24,3	/
4c	Time lost from the following truck after 3 laps	s	57,5	/
Hill test with grade 5%				
5a	How the truck can be stopped downwards at speed 10 km/h	1 to 3	2	3
	Braking distance for speed 10 km/h	m	25	17
5b	How the truck can be start upwards the hill	1 to 3	2	3