



worn tyre for wet-grip performances

Ongoing tests status – FRANCE

Life test Study: New tyres VS Worn tyres (France)

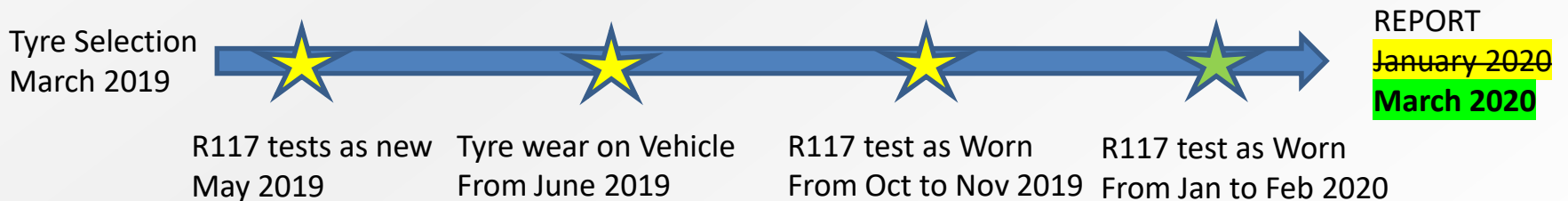
Program remind

- 2 tyres sizes (2 vehicles),
- for each vehicles 2 tyres references (Premium & Quality)

3 steps

- Tests according to R117 as New states (trailer method)
- Wear on vehicle for up to 20 000 km per tyres (total of 4 Tyres references)
- Tests according to R117 as « Worn states ». For WG 2 tests proceed:
 - Brand New ASTM16 & test with a worn ASTM16 according to candidates states. (trailer method)

Study Schedule 2019-2020




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Tyres Selection

- Vehicle A: 195/55R20 95H - Tall & Narrow (1 Premium tyre & 1 Quality tyre)
- Vehicle B: 235/50R18 101V - SUV & Allroad (1 Premium tyre & 1 Quality tyre)

Status January 2020

Study Schedule march 2019 to February 2020		Tread-depth measurements (New)	WG test "as new" (Trailer Method)	Wear life 20 000km (on vehicle)	WG test "worn 20 000km" (Trailer Method SRRT New)	WG test "worn 20 000km" (Trailer Method SRRT Worn)	Candidate Tread-depth measurements (Worn)
Vehicle A Tall & Narrow	Candidate #1 195/55R20 - 95H	x	x	x	x	January 2020	December 2019
	Candidate #2  195/55R20 - 95H	x	x	From October to January	February 2020	February 2020	February 2020
Vehicle B SUV & All Road	Candidate #3 235/50R18 - 101V	x	x	x	x	January 2020	December 2019
	Candidate #4 235/50R18 - 101V	x	x	x	x	January 2020	January 2020
SRRT16"	New	x	x	N/A	x		
	Worn (Buffed)			N/A		x	
Done							
In progress							
Next step							

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Measurements

- Tests performed on RR & WG as New and Worn

First results

- As predicted RR improvement are confirmed
- WG are improved when using a « new SRTT »
- WG test using « worn SRTT » in progress

	New Tyres		
Ref.	Rolling Resistance	Wet Grip (New SRTT)	
PN9086	7,29	1,53	
PN9087	6,78	1,46	
PN9088	8,43	1,39	
PN9089	9,42	1,36	
	Worn Tyres (20 000km)		
Ref.	Rolling Resistance	Wet Grip (New SRTT)	Δ (mm) new vs worn
PN9086	7,00	1,56	0,87
PN9087	6,63	1,61	1,49
PN9088	7,73	1,36	0,00
PN9089	#DIV/0!	#DIV/0!	2,26



THANK YOU FOR YOUR ATTENTION