

Tests Change Notice - Arizona Proving Ground

82482608: # 1

7/25/94

Vehicle Color BLUE/WHITE		Priority	Product Line F-150	Program HS TIRE	Issued To GARAGE	Time / Explanation	Date & Time Assigned 6-28-94 9:30	Date Issued 6-27-94
Vehicle No. 309T029	Test No. A-8110	Vehicle Location DURA LOT			Start Odo 16252	Finish Odo 16534	Date & Time Completed 6-29-94 10:30	Time Issued 9:30 AM
Part Number Removed	Qty	Part Name			Removal reason and part condition		Part Number Installed	Qty
					USE PREMIUM UNLEADED FUEL			
					MOBILE ONE SYNTHETIC ENGINE OIL			
Photo Req'd Yes <input type="checkbox"/> No <input type="checkbox"/>		Photo's By _____			Return to Durability after repairs Yes <input type="checkbox"/> No <input type="checkbox"/>		Person Released By / Transferred To: _____	
		Time / Date _____					Time / Date _____	
Instruction to mechanics SCRAP <input type="checkbox"/> RETURN <input type="checkbox"/> HOLD <input type="checkbox"/>					Mechanics Report			
USE CONDUCT HIGH SPEED TIRE TEST AS FOLLOWS.					<i>Completed 6/28/94</i>			
IN 60 MILES BREAK-IN AT 60 MPH. ALLOW 2 HRS. TO COOL DOWN.								
COLD TIRE PRESSURE TO FRONT. 28 REAR 26					<i>Completed 200 miles HS Test. + 10 miles warm-up.</i>			
FORM TEST BETWEEN 70 AND 90 DEGREES AMBIENT.								
RUN 10 MILES WARM UP AT 70 MPH.								
RUN 200 MILES HIGH SPEED AT 95 MPH					<i>Completed Tire Roll-off + Rapid Air Loss. Dismounted Test Tires + Stacked Next to Tire Machine - Mounted Stack Tires on Test Veh.</i>			
RECORD TEMP, P.S.I. AND TIME DATA ON THE ATTACHED SHEETS:								
PERFORM TIRE ROLL OFF AND RAPID AIR LOSS TESTS PER THE ATTACHED SHEETS. RECORD RESULTS ON DATA SHEET.								
DISMOUNT TEST TIRES AND STACK BY THE TIRE MACHINE. PLACE THE WHEELS IN THE RACK. INSTALL THE ORIGINAL TIRES AND WHEELS THAT ARE STACKED BY THE MACHINE OR IN THE RACK.								
Issued By MIKE GOODWIN			Phone 328		Mechanic Signature <i>M. Goodwin</i>		Approved By	Date Completed 6-27-94

BAAZ 1003

HIGH SPEED TIRE TEST REPORT

ENGINEER: LARRY SKYNAR

DATE: 6-29-94

VEHICLE: 309T029

TEST ORDER NO. A-8129

TIRE SIZE: P235/75R15

BRAND: GOODYEAR

TIRE CONST. NO. 1D005BK

TRACK TEMP. 92°F

RECORD START WEATHER

TIME-OUT: 5:30 A

AMB. TEMP. 86°F

TIME-IN: _____

WIND DIRECT: N

BREAK-IN: 60 MILES @ 60 MPH

WIND VOL. 8 MPH

WARM-UP: 10 MILES @ 70 MPH

WEATHER COND. Clear Dry WHEEL 16X7

TEST POSITION	LF	RF	LR	RR	LOAD
TIRE ID					FRONT: 3084
HOT P.S.I.					REAR: 3186
SHLD. TEMP.					PRESSURE
TARGET TIME	<u>190 SEC</u>				FRONT: 26 ✓
MAX SPEED	<u>95 MPH</u>				REAR: 26 ✓
LAP	5 MILE LAP TIME IN SECONDS		ACTUAL MPH	REMARKS	
1				70 MPH WARM-UP	
2				70 MPH WARM-UP	
3	<u>191</u>				
4	<u>189</u>				
5	<u>191</u>				
6	<u>190</u>				
7	<u>190</u>				
8	<u>189</u>		"oops"		
9	<u>190</u>				
10	<u>190</u>				
11	<u>190</u>				
12	<u>190</u>				
13	<u>190</u>				
14	<u>190</u>				
15	<u>190</u>				
16	<u>190</u>				
17	<u>190</u>				
18	<u>190</u>				
	<u>189</u>		"oops"		
	<u>190</u>				
21	<u>No Time</u>			STOYED TEST TO FUEL	

MILEAGE LAPS 1 HIGH SPEED

TOTAL TEST MILES _____

DRIVER: GIBBARD

mg/94

ACCEPTED BY _____

DATE: 6-29-94

ATTN: LARRY
 SKYNAR FAX 248-
 506

HIGH SPEED TIRE TEST REPORT

ENGINEER : LARRY SKYNAR

DATE: 6-29

VEHICLE: 309T029

TEST ORDER NO. A-8129

TIRE SIZE: P235/75R15

BRAND: GOODYEAR

TIRE CONST. NO. 1D0088K

TRACK TEMP. 112

RECORD END
 WEATHER

TIME-OUT: _____

AMB. TEMP. 94°F

TIME-IN: 8:05

WIND DIRECT: W

BREAK-IN: 60 MILES @60 MPH

WIND VOL. 3 MPH

WARM-UP: 10 MILES @70 MPH

WEATHER COND. Clear Day

WHEEL 16X7

TEST POSITION	LF	RF	LR	RR	LOAD	
	TIRE ID				FRONT:	3084
HOT P.S.I.	80	29	35	33	REAR:	3188
SHLD. TEMP.	178	186	197	212	PRESSURE	
TARGET TIME	190 SEC				FRONT:	28
MAX SPEED	95 MPH				REAR:	28
LAP	5 MILE LAP TIME IN SECONDS		ACTUAL MPH		REMARKS	
22	No Time				Required Test	
23	190					
24	190					
25	190					
26	190					
27	190					
28	190					
29	190					
30	190					
31	190					
32	190					
33	190					
34	190					
35	190					
36	190					
37	190					
	190					
39	190					
40	189		"oops"			
	190					
42	AD Time				Last Lap - Completed Test	
	40		HIGH SPEED		112 Mi/h	

TIRE TEST DATA SHEET - TEST PROCEDURE
GEN. T - 4. 04 IVD AND GEN. T. 4. 04 IVD .2.E
TIRE ROLL - OFF TEST
RAPID AIR LOSS TEST

ATTN: L. SKYNAR
FAX 248-2606

Total Vehicle Weight : Front: 3064 . Rear : 3186

Tire Size: P235/75R15 Const. No. 1D0058K Manufacturer: GOODYEAR

Test Rim Part Numbers (inspected by) _____ Date 6-29-94

Tire Pressure R/F 26 R/R 26 Slave SAME

Did Tire complete High Speed Test Yes X No _____

Did tire roll into wheel well? Yes _____ No X

Did wheel rim contact ground? Yes _____ No X

Location on the circle where the failure occurred. DNIA

Did tire pass test? Yes X No _____

RAPID AIR LOSS

Photo of Puncture Deive. (attached) IF required.

10 minute arm - up at 60 mph. Yes X No _____

Rapid loss of Air? Yes X No _____

Was there evidence of air escaping from tire after stop. Yes _____ No X

Deceleration Rate 13 to 15 Fps. Yes X No _____

Position of tire on rim after loss of air inside flanges for entire 360 degree.
Yes X No _____

Driver's Name: M. Hala

Date: 6-29-94

I participated in the above described tire test (Rapid Air Loss Test) and certify that all the above information is true.

Walter Hala

BAAZ 0964

jrc/92



TEST AUTHORIZATION

TEST ORDER NUMBER

TO: ROGER UEDA JOHN BOWEN MIKE GOODWIN	CC:	REQUEST DATE 6/27/94	RQSTD COMPL. DATE ASAP
		REQUEST NUMBER	PROBLEM NUMBER
		REQUESTING ACTIVITY UPN105 CHASSIS DESIGN	

TITLE OF TEST TIRE HIGH SPEED, ROLL-OFF AND BLOWOUT TESTING			PARTS DUE DATE
TYPE OF TEST <input checked="" type="checkbox"/> VEHICLE <input type="checkbox"/> BENCH <input type="checkbox"/> LABORATORY <input type="checkbox"/> OTHER	VEHICLE NUMBER OR OTHER IDENTIFICATION		VEHICLE MODEL & YEAR
ENGINE NO. DISPL. CARB.	TRANSMISSION	AXLE RATIO	PRODUCT OR ENG LETTER
TYPE OF FUEL	CONVERTER	IGNITION TIMING	TEST CONDUCTED TO CERTIFY CONTROL ITEM COMPLIANCE WITH GOVERNMENT REGULATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CRANKCASE OIL AND CAPACITY	TIRE SIZE AND PLY RATING SEE ATTACHED CHART	REPORT CATEGORIES <input type="checkbox"/> ENGINEERING <input type="checkbox"/> DATA <input type="checkbox"/> RAW DATA	DISPOSITION OF PARTS RETURN FAILURES PROCUREMENT REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, GIVE ROUTING CODE
VEHICLE TEST WEIGHT FRONT REAR TOTAL	TIRE PRESSURE FRONT REAR	MAIL REPORT TO: ROOM SUITE 200 BLDG. VPC	

1. OBJECT OF TEST 2. TEST PROCEDURE 3. ITEMS TO BE TESTED (NAME, PART NOS., QUANTITY)

1) TO VALIDATE THE LISTED GOODYEAR TIRE FOR THE FOLLOWING WCR REQUIREMENTS: A) HIGH SPEED TESTING, B) ROLL-OFF TESTING, C) BLOW OUT TESTING. (USE OF BLOW-OUT SIMULATOR IS ACCEPTABLE)

2) PROVIDE FACILITIES AND SERVICES TO CONDUCT TIRE HIGH SPEED TESTING PER GEN. T-4.04 IV D.2.A, TIRE ROLL-OFF TESTING PER GEN. T-4.04 IV D.E, AND TIRE BLOW OUT TESTING PER GEN. T-4.04 IV E.2.e. AMBIENT TEMPERATURES MUST BE BETWEEN 70-90 DEGREES F FOR ALL TESTING. TEST TIRES AT FOUR POSITIONS ON TEST VEHICLE. IN CASE OF FAILURE, BREAK-IN THE 5TH TIRE AND RESTART TEST WITH THE REMAINING 3 TIRES FROM THE INITIAL TEST. ANY FAILURE SHOULD BE INSPECTED TO DETERMINE THE CAUSE OF FAILURE AND AIR FREIGHTED BACK TO DEARBORN (ATTENTION: LARRY SKYNAR) FOR LAB ANALYSIS.

3) SEE ATTACHED CHART FOR A LIST OF TEST TIRES AND THEIR TEST CONDITIONS.

REQUESTING SECT NO. K885.5	WORK ORDER/WORK TASK T5L23	ISSUED/REQUESTED BY LARRY SKYNAR	PHONE 82773	APPROVALS F. P. WORBS	TEST TYPE	RISK	SIGN-OFF DATE
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REQUESTER: DO NOT WRITE BELOW THIS LINE

TEST DESCRIPTION									
MANDATORY					OPTIONAL				
TEST ORDER NO.	CATEGORY	RESP SECTION	EST COMP DATE	PEO	TEST ENG'R	PRINCIPAL ENG'R	TEST ORDER DATE	USER CODE	PROD CODE
PERFORMING SECT.	HOURS	MATERIAL COST	COMP COST	PARTS DUE DATE	EST START DATE	EST COMP DATE	STATUS	COMPLETE	
		\$	\$						
		\$	\$						
		\$	\$						
		\$	\$						
		\$	\$						
		\$	\$						
		\$	\$						
TOTAL		\$	\$						

TIRE TEST DATA SHEET - TEST PROCEDURE
GEN. T - 4. 04 IVD AND GEN. T. 4. 04 IVD .2.E
TIRE ROLL - OFF TEST
RAPID AIR LOSS TEST

ATTN: L. SKYNAR
FAX 248-2608

Total Vehicle Weight : Front: 3064 Rear : 3186
Tire Size: P235/75R15 Const. No. 1D0058K Manufacturer: GOODYEAR
Test Rim Part Numbers (inspected by _____ Date 6-29-94
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Did Tire complete High Speed Test Yes X No _____
Did tire roll into wheel well? Yes _____ No X
Did wheel rim contact ground? Yes _____ No X
Location on the circle where the failure occurred. DNA
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Was there evidence of air escaping from tire after stop. Yes _____ No X
Decelration Rate 13 to 15 Fps. Yes X No _____
Position of tire on rim after loss of air inside flanges for entire 360 degree.
Yes X No _____
Driver's Name: M. Hilda Date: 6-29-94

I participated in the above described tire test (Rapid Air Loss Test) and certify that all the above information is true.

Walter Valenzuela

jrc/92