

**DEXRON® Plate Friction Test
Report Form
Form 1
Version**

Formulation Code							
Formulation Code							
SID	SponsorCode	Modification	Blend	Method	Count	Lab	Instrument

Blended Sample Testing Information ^A			
Candidate Percentage			Other Percentage
Other Fluid ID			

^A If not a Blended Sample then report 100% Candidate Percentage, 0% Other Percentage, and "None" for Blend Fluid ID.

Test Identification			
Sponsor			
Sponsor In-House Number			
Lab In-House Number			
Alternate Code			
Test Number ^B			
Instrument		Run Number	
Start Date		Start Time	
EOT Date		EOT Time	

^B Test Number = Instrument – Run Number

Test Validity Statement	
This test has been conducted in a valid manner – YES or NO	
Test Laboratory	
Signature	
Typed Name	
Title	

**DEXRON® Plate Friction Test
Pass/Fail Results
Form 2**

Formulation Code	
Test Number	

PASS/FAIL RESULTS		
PARAMETERS	UNITS	RESULTS
Clutch Plate Rating	Pass/Fail	
Lowest recorded Midpoint Torque ^A	N•m	
Highest recorded Midpoint Torque ^A	N•m	
Lowest recorded Maximum Torque ^B	N•m	
Highest recorded Delta Torque (Max – Mid Torque) ^C	N•m	
Lowest recorded Stop Time ^D	s	
Highest recorded Stop Time ^D	s	
Steel and Friction Plate Condition is shown on Form 4		

^A Midpoint Torque is shown on Form 3 and plotted on Form 5

^B Maximum Torque is shown on Form 3 and plotted on Form 8

^C Delta Torque (Max – Mid Torque) is shown on Form 3 and plotted on Form 6

^D Stop Time is shown on Form 3 and plotted on Form 7

Test Operating Conditions	
Test Cycles	
Friction Plates Used	
Steel Plates Used	
Delta Travel, mm	

Comments

**DEXRON® Plate Friction Test
Static Breakaway Measurements
Form 4**

Formulation Code	
Test Number	

Test Time [h]	Cycles	Apply Pressure	0.25 Second Torque	0.25 Second Coefficient	Maximum Torque	Maximum Coefficient
		[kPa]	[N•m]		[N•m]	
0.1	10					
1	180					
2	360					
3	540					
4	720					
5	900					
10	1800					
15	2700					
20	3600					
25	4500					
30	5400					
35	6300					
40	7200					
45	8100					
50	9000					
55	9900					
60	10,800					
65	11,700					
70	12,600					
75	13,500					
80	14,400					
85	15,300					
90	16,200					
95	17,100					
100	18,000					
105	18,900					
110	19,800					
115	20,700					
120	21,600					
125	22,500					
130	23,400					
135	24,300					
140	25,200					
145	26,100					
150	27,000					
155	27,900					
160	28,800					
165	29,700					
170	30,600					
175	31,500					
180	32,400					
185	33,300					
190	34,200					
195	35,100					
200	36,000					

**DEXRON® Plate Friction Test
Clutch Plate Ratings & Measurements
Form 5**

Formulation Code	
Test Number	

Friction Plate Condition Rating

Steel Plate Condition Rating

Clutch Plate Rating Information

Clutch Plate Rating Result	
Rater	
Rating Date	

Clutch Plate Measurements

Pre-Test & Post-Test Clutch Plate Thickness Measurements, in mm								
Plate	Location of Tooth (Clockwise)	Measured Near Inner Diameter		Measured Near Outer Diameter		Inner Diameter Change	Overall Thickness Change	Outer Diameter Change
		Pre-Test	Post-Test	Pre-Test	Post-Test			
Friction Plate								
2	Top							
	120							
	240							
	Average							
Steel Plate								
1	Top							
	120							
	240							
	Average							
3	Top							
	120							
	240							
	Average							

Clutch Plate Measurement Information

Test Condition	Measurement Date	Operator
Pre-Test		
Post-Test		

Photographs of Clutch Plates are at the end of the test report.

**DEXRON® Plate Friction Test
Torque & Engagement Time Plot
Form 6**

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Delta Torque (Max – Mid Torque) Plot
Form 7

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Cycle Torque & Apply Pressure Plot
Form 8

Formulation Code	
Test Number	

**DEXRON® Plate Friction Test
Static Breakaway Coefficients Plot
Form 9**

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Apply & Release Pressure and Temperature Plot
Form 10

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 0, 1, 2, & 3
Form 11

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 4, 5, 10, & 15
Form 12

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 20, 25, 30, & 35
Form 13

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 40, 45, 50, & 55
Form 14

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 60, 65, 70, & 75
Form 15

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 80, 85, 90, & 95
Form 16

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 100, 105, 110, & 115
Form 17

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 120, 125, 130, & 135
Form 18

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 140, 145, 150, & 155
Form 19

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 160, 165, 170, & 175
Form 20

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 180, 185, 190, & 195
Form 21

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Dynamic Plots, Test Hours 200
Form 22

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 10, 180, 360, 540
Form 23

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 720, 900, 1800, 2700
Form 24

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 3600, 4500, 5400, 6300
Form 25

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 7200, 8100, 9000, 9900
Form 26

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 10800, 11700, 12600, 13500
Form 27

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 14400, 15300, 16200, 17100
Form 28

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 18000, 18900, 19800, 20700
Form 29

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 21600, 22500, 23400, 24300
Form 30

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycles 25200, 26100, 27000, 27900
Form 31

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycle 28800, 29700, 30600, 31500
Form 32

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycle 32400, 33300, 34200, 35100
Form 33

Formulation Code	
Test Number	

DEXRON® Plate Friction Test
Static Breakaway Plots, Test Cycle 36000
Form 34

Formulation Code	
Test Number	

**DEXRON® Plate Friction Test
Clutch Plate Photographs – Fiber Plate, Front
Form 35**

Formulation Code	
Test Number	

{Identify Top, 120, and 240 locations in the photos.}

**DEXRON® Plate Friction Test
Clutch Plate Photographs – Fiber Plate, Rear
Form 36**

Formulation Code	
Test Number	

{Identify Top, 120, and 240 locations in the photos.}

DEXRON® Plate Friction Test
Clutch Plate Photographs – Steel Plates, Front
Form 37

Formulation Code	
Test Number	

{Identify Top, 120, and 240 locations in the photos.}

DEXRON® Plate Friction Test
Clutch Plate Photographs – Steel Plates, Rear
Form 38

Formulation Code	
Test Number	

{Identify Top, 120, and 240 locations in the photos.}