Report Forms
Test Method D xxxx
L-33-2
Version L332 VERSION 20150827 Beta
Conducted For

TSTSPON1

TSTSPON2

LABVALID	V = Valid
	I = Invalid
	N = Results Cannot Be Interpreted (See Comment Section)

TSTOIL	NR = Non-Reference Test Oil
	RO = Reference Oil Result

Test Number			
Motoring Stand: MSTAND		Storage Box : SBOXNUM	Storage Box Run : SBOXRUN
Date Completed: DTCOMP		EOT Time: EOTTIME	
Oil Code: OILCODE			
Formulation/Stand Code: FORM			
Alternate Codes:	ALTCODE1	ALTCODE2	ALTCODE3

In my opinion this test OPVALID been conducted in a valid manner in accordance with ASTM Test Method D xxxx and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.

Submitted By: SUBLAB
Testing Laboratory

SUBSIGIM
Signature

SUBNAME
Typed Name

SUBTITLE
Title

SUBSECT
Section

Test Method D xxxx
L-33-2
Form 1 – Test Results

Lab: LAB	Motoring Stand: MSTAND	Storage Box: SBOXNUM	Storage Box Run: SBOXRUN
Start Date: DTSTRT	EOT Date: DTCOMP	EOT Time: EOTTIME	Test Length: TESTLEN
Oil Code: OILCODE			
TMC Oil Code: IND	Lab Oil Code: LABOCODE		Viscosity Grade: SAEVISC
Latest Information Letter Test Was Run Under: INFOLETN		Gear Version: GEARVER	
Pinion Batch: PINBAT		Ring Batch: RINGBAT	
Axle Cover Rating Template Serial No.: ACRTSN			

Rater's Initials (After Test) :	RINIT1		
Rust/Corrosion			
Location	**RUST** [A]	**WEIGHTING FACTOR**	**WEIGHTED RUST**
Differential Case:			
1. At Pinion Contact	RCDCPINC	* .087	RCPINWGT
2. Diff. Gear Contact	RCDCDFGC	* .193	RCGRCWGT
3. Diff. Gears (Side)	RCDCDFGS	* .094	RCGRSWGT
4. Axle Hsg. Cover	RCDCAXHC	* .169	RCAXHWGT
5. Drive Gear (Ring)	RCDCDGR	* .079	RCDGRWGT
6. Drive Pinion	RCDCDPIN	* .079	RCDPNWGT
Bearing:			
7. Drive Pinion Roller	RCBDPNR	* .051	RCBPRWGT
8. Drive Pinion Cups	RCBDPNC	* .083	RCBPCWGT
9. Diff. Case Roller	RCBDFCR	* .071	RCBCRWGT
10. Diff. Case Cups	RCBDFCC	* .094	RCBCCWGT
		Original Rust, Merit	RUST
		Correction Factor, Merit	RUSTCF
		Severity Adjustment, Merit	RUSTSA
		Final Rust, Merit	RUSTFNL

[A] Rust Level (Enter 10, 9, 8, 5 or 0):

None	=	10		
Trace	=	9	=	not more than six spots, each less than 1mm in diameter
Light	=	8	=	seven(7) or more spots less than 1mm in diameter or, one(1) or more spots greater or equal to 1mm in diameter with a combined area of all the spots no greater than 1% of the total rated component surface.
Moderate	=	5	=	in excess of above and up to 5% of considered surface
Heavy	=	0	=	covering more than 5% of considered surface

Remarks: Note presence, location and amount of additional deposit-stain, sludge, etc.

REMK1

REMK2

REMK3

REMK4

REMK5

REMK6

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Form 2
Last Reference Information & Operational Validity Summary

Lab: LAB	Motoring Stand : MSTAND
Storage Box : SBOXNUM	Storage Box Run : SBOXRUN
Oil Code : OILCODE	

Last Reference Oil Calibrating Stand Information - Fill Out For Non-reference Oil Tests Only		
Motoring Stand: LRMSTAND	Storage Box : LRSBOXNM	Storage Box Run: LRSBXRUN
Date Completed: LRDTCOMP	TMC Oil Code: LRIND	
Gear Version: LRGERVER	Pinion Batch: LRPINBAT	Ring Batch: LRRNGBAT

Operator's Initials:	OINIT

Turning Torques		
Pinion, N·m	Break: TTPINBRK	Turn: TTPINTRN
Full Assembly, N·m	Break : TTASSBRK	Turn: TTASSTRN

Warm-Up		
Date/Time	Start: WUDATEST WUTIMEST	Finish: WUDATEFN WUTIMEFN
Oil Temperature °C	Start : WUTEMPST	Finish: WUTEMPFN

Motoring Phase			
Date/Time	Start: MPDATEST MPTIMEST	Finish: MPDATEFN MPTIMEFN	
Pinion Speed, r/min	Average: MPPSAVG	Maximum: MPPSMAX	Minimum: MPPSMIN
Oil Temperature, °C	Average: MPOTEMPA	Maximum: MPOTEMP	Minimum: MPOTEMPI

Storage Phase			
Date/Time	Start : SPDATEST SPTIMEST	Finish: SPDATEFN SPTIMEFN	
Oil Temperature, °C	Average: SPOTEMPA	Maximum: SPOTEMP	Minimum: SPOTEMPI

Percent Deviation						
Controlled Parameter	**Motoring Phase**			**Storage Phase**		
	Allowable % Out	This Test % Out	Actual Time Out min:s	Allowable % Out	This Test % Out	Actual Time Out min:s
Oil Temperature	5	TEMPBPOT	ATOBTEMP	4	TEMPOUT	ATOTEMP

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Form 3
Pre Test Rating [A]

Lab: LAB	Motoring Stand: MSTAND
Storage Box : SBOXNUM	Storage Box Run: SBOXRUN
Oil Code: OILCODE	

Match No.: MATCHNO Date: RATEDATE Rated By: RINIT2

Differential Case

Area 1. At Pinion Contact: RDCPINC2
RDCPINC1

Area 2. At Differential Gear Contact: RDCDFGC1
RDCDFGC2
RDCDFGC3
RDCDFGC4

Area 3. Differential Gears (Side Gears): RDCDFGS1
RDCDFGS2

Area 4. Axle Housing Cover: RDCAXHC1
RDCAXHC2

Area 5. Drive Gears (Ring): RDCDGR1
RDCDGR2

Area 6. Drive Pinion: RDCDPIN1
RDCDPIN2

Area 7. Drive Pinion Rollers: RBDPNR1
RBDPNR2

Area 8. Drive Pinion Cups: RBDPNC1
RBDPNC2

Area 9. Differential Case Rollers: RBDFCR1
RBDFCR2

Area 10. Differential Case Cups: RBDFCC1
RBDFCC2

[A] After Abrasive Blasting

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Form 4
Lost Time and Comments

Lab: LAB	Motoring Stand : MSTAND
Storage Box: SBOXNUM	Storage Box Run: SBOXRUN
Oil Code: OILCODE	

Number of Downtime Occurrences		DWNOCR	
Test Hours	Date	Downtime	Reasons
DOWNR	DDATR001	DTIMR001	DREAR001
DOWNR	DDATR002	DTIMR002	DREAR002
DOWNR	DDATR003	DTIMR003	DREAR003
DOWNR	DDATR004	DTIMR004	DREAR004
DOWNR	DDATR005	DTIMR005	DREAR005
DOWNR	DDATR006	DTIMR006	DREAR006
DOWNR	DDATR007	DTIMR007	DREAR007
DOWNR	DDATR008	DTIMR008	DREAR008
DOWNR	DDATR009	DTIMR009	DREAR009
DOWNR	DDATR010	DTIMR010	DREAR010
DOWNR	DDATR011	DTIMR011	DREAR011
DOWNR	DDATR012	DTIMR012	DREAR012
DOWNR	DDATR013	DTIMR013	DREAR013
DOWNR	DDATR014	DTIMR014	DREAR014
DOWNR	DDATR015	DTIMR015	DREAR015
		TOTLDOWN	Total Downtime (hours)

Other Comments		
Number of Comment Lines	TOTCOM	
OCOMR001		
OCOMR002		
OCOMR003		
OCOMR004		
OCOMR005		
OCOMR006		
OCOMR007		
OCOMR008		
OCOMR009		
OCOMR010		
OCOMR011		
OCOMR012		
OCOMR013		
OCOMR014		
OCOMR015		

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Form 4A
Lost Time and Comments

Lab: LAB	Motoring Stand : MSTAND
Storage Box: SBOXNUM	Storage Box Run: SBOXRUN
Oil Code: OILCODE	

Number of Downtime Occurrences		DWNOCR	
Test Hours	Date	Downtime	Reasons
DOWNR	DDATR016	DTIMR016	DREAR016
DOWNR	DDATR017	DTIMR017	DREAR017
DOWNR	DDATR018	DTIMR018	DREAR018
DOWNR	DDATR019	DTIMR019	DREAR019
DOWNR	DDATR020	DTIMR020	DREAR020
DOWNR	DDATR021	DTIMR021	DREAR021
DOWNR	DDATR022	DTIMR022	DREAR022
DOWNR	DDATR023	DTIMR023	DREAR023
DOWNR	DDATR024	DTIMR024	DREAR024
DOWNR	DDATR025	DTIMR025	DREAR025
DOWNR	DDATR026	DTIMR026	DREAR026
DOWNR	DDATR027	DTIMR027	DREAR027
DOWNR	DDATR028	DTIMR028	DREAR028
DOWNR	DDATR029	DTIMR029	DREAR029
DOWNR	DDATR030	DTIMR030	DREAR030
		TOTLDOWN	Total Downtime (hours)

Other Comments		
Number of Comment Lines	TOTCOM	
OCOMR016		
OCOMR017		
OCOMR018		
OCOMR019		
OCOMR020		
OCOMR021		
OCOMR022		
OCOMR023		
OCOMR024		
OCOMR025		
OCOMR026		
OCOMR027		
OCOMR028		
OCOMR029		
OCOMR030		

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Form 4A
Lost Time and Comments

Lab: LAB	Motoring Stand : MSTAND
Storage Box: SBOXNUM	Storage Box Run: SBOXRUN
Oil Code: OILCODE	

Number of Downtime Occurrences		DWNOCR	
Test Hours	Date	Downtime	Reasons
DOWNR	DDATR031	DTIMR031	DREAR031
DOWNR	DDATR032	DTIMR032	DREAR032
DOWNR	DDATR033	DTIMR033	DREAR033
DOWNR	DDATR034	DTIMR034	DREAR034
DOWNR	DDATR035	DTIMR035	DREAR035
DOWNR	DDATR036	DTIMR036	DREAR036
DOWNR	DDATR037	DTIMR037	DREAR037
DOWNR	DDATR038	DTIMR038	DREAR038
DOWNR	DDATR039	DTIMR039	DREAR039
DOWNR	DDATR040	DTIMR040	DREAR040
DOWNR	DDATR041	DTIMR041	DREAR041
DOWNR	DDATR042	DTIMR042	DREAR042
DOWNR	DDATR043	DTIMR043	DREAR043
DOWNR	DDATR044	DTIMR044	DREAR044
DOWNR	DDATR045	DTIMR045	DREAR045
		TOTLDOWN	Total Downtime (hours)

Other Comments		
Number of Comment Lines	TOTCOM	
OCOMR031		
OCOMR032		
OCOMR033		
OCOMR034		
OCOMR035		
OCOMR036		
OCOMR037		
OCOMR038		
OCOMR039		
OCOMR040		
OCOMR041		
OCOMR042		
OCOMR043		
OCOMR044		
OCOMR045		