A2. Report Forms
L-42
VERSION ***20020605***

CONDUCTED FOR

TSTSPON1

TSTSPON2

LABVALID	V = VALID
	I = INVALID
	N = RESULTS CANNOT BE INTERPRETED (Refer To Comment Section)

Test Number			
Test Stand: *STAND*		Stand Run Number: *STRUN*	
Date Completed: *DTCOMP*		EOT Time: *EOTTIME*	
Oil Code[A]: *CMIR/OILCODE*			
Formulation/Stand Code: *FORM*			
Alternate Codes:	*ALTCODE1*	*ALTCODE2*	*ALTCODE3*
Test Version[B]:			

In my opinion this test *OPVALID* been conducted in a valid manner in accordance with the STP 512A ASTM Test Method and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.

[A] CMIR or Non-Reference Oil Code
[B] Standard or Canadian

SUBLAB
SUBMITTED BY: _____
Testing Laboratory

SUBSIGIM
_____
Signature

SUBNAME
_____
Typed Name

SUBTITLE
_____
Title

SUBSECT
_____
Section

Fig. A2.1 TEST REPORT COVER

FORM 1

TEST RESULT SUMMARY

TEST LAB	*LAB*
TEST STAND NO.	*STAND*

TVERSION

TEST DATE STARTED	TEST DATE COMPLETED	END OF TEST TIME	TOTAL TEST MINUTES	STAND RUN NO.	OIL CODE NO.	LABORATORY OIL CODE	COAST SIDE % SCORING			COAST SIDE TORQUE (lbf-ft)	
							EOT PINION	EOT RING	SEQ 2 RING	SEQUENCE 2	SEQUENCE 4
DTSTRT	*DTCOMP*	*EOTTIME*	*TESTLEN*	*STRUN*	*CMIR/OILCODE*	*LABOCODE*	*ECSPFNL*	*ECSRFNL*	*SCSRFNL*	*SEQ2CTA*	*SEQ4CTA*

Information Letters Number: *INFOLETN*

Formulation / Stand Code: *FORM*

STAND REFERENCE OIL TEST HISTORY IN CHRONOLOGICAL ORDER

	TEST DATE STARTED	TEST DATE COMPLETED	END OF TEST TIME	TOTAL TEST MINUTES	STAND RUN NO.	CMIR NO.	TMC OIL NO.	LABORATORY OIL CODE	COAST SIDE % SCORING			COAST SIDE TORQUE (lbf-ft)	
									EOT PINION	EOT RING	SEQ 2 RING	SEQUENCE 2	SEQUENCE 4
Discrimination [A]	*DTSTRTD*	*DTCOMPD*	*EOTTIMED*	*TESTLEND*	*STRUND*	*CMIRD*	*INDD*	*LABOCODD*	*ECSPFNLD*	*ECSRFNLD*	*SCSRFNLD*	*SEQ2CTAD*	*SEQ4CTAD*
Calibration Sequence Passing Tests Only [B]	*STRTR001*	*COMPR001*	*EOTTR001*	*TOTHR001*	*STDRR001*	*CMIRR001*	*TMCNR001*	*LBOCR001*	*ECSPR001*	*ECSRR001*	*SCSRR001*	*SEQ2R001*	*SEQ4R001*
	STRTR002	*COMPR002*	*EOTTR002*	*TOTHR002*	*STDRR002*	*CMIRR002*	*TMCNR002*	*LBOCR002*	*ECSPR002*	*ECSRR002*	*SCSRR002*	*SEQ2R002*	*SEQ4R002*
	STRTR003	*COMPR003*	*EOTTR003*	*TOTHR003*	*STDRR003*	*CMIRR003*	*TMCNR003*	*LBOCR003*	*ECSPR003*	*ECSRR003*	*SCSRR003*	*SEQ2R003*	*SEQ4R003*
				AVERAGE FOR PASSING REFERENCE OIL TESTS					*ECSPAVG*	*ECSRAVG*	*SCSRAVG*	*SEQ2AVG*	*SEQ4AVG*

[A] Only for non-reference tests.

[B] For non-reference and discrimination tests only.

Fig. A2.2 TEST RESULT SUMMARY

L-42
FORM 2

OPERATIONAL SUMMARY

LAB *LAB*	STAND NO. *STAND*
OIL CODE *CMIR/OILCODE*	STAND RUN NO. *STRUN*

GENERAL OPERATION CONDITIONS

1. GEAR LOADING DATA

		SEQUENCE 2		SEQUENCE 4	
		Torques lbf-ft	Cycle Time Second	Torques lbf-ft	Cycle Time Second
Drive Side	Maximum	*SEQ2DTX*	*SEQ2DCX*	*SEQ4DTX*	*SEQ4DCX*
	Minimum	*SEQ2DTI*	*SEQ2DCI*	*SEQ4DTI*	*SEQ4DCI*
	Average	*SEQ2DTA*	*SEQ2DCA*	*SEQ4DTA*	*SEQ4DCA*
Coast Side	Maximum	*SEQ2CTX*	*SEQ2CCX*	*SEQ4CTX*	*SEQ4CCX*
	Minimum	*SEQ2CTI*	*SEQ2CCI*	*SEQ4CTI*	*SEQ4CCI*
	Average	*SEQ2CTA*	*SEQ2CCA*	*SEQ4CTA*	*SEQ4CCA*

2. LUBRICANT TEMPERATURE DATA

Phase	Specification	Average Value	Minimum Value	Maximum Value
Sequence 1*	225 ± 5 ºF	*LATSEQ1*	*LMTSEQ1*	*LXTSEQ1*

	Starting		Maximum Value
	Specification	Value	
Sequence 2	200 ± 5 ºF	*LSTSEQ2*	*LXTSEQ2*
Sequence 4	< 280 ºF	*LSTSEQ4*	*LXTSEQ4*

* Values after reaching 225 ºF

3. TEST AXLE DATA

a. Backlash	Maximum	Minimum	Average
Initial (in.)	*TABKLINX*	*TABKLINI*	*TABKLINA*
Final (in.)	*TABKLFNX*	*TABKLFNI*	*TABKLFNA*
Increase (in.)			*TABKLICA*

b. Initial Pinion Torque (lbf -in)	Break *TAIPNTBK*	Turn *TAIPNTTN*

RATING DATE *RATEDATE* RATER INITIALS *RINIT*

Fig. A2.3 OPERATIONAL SUMMARY

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FORM 3

MEASUREMENT SUMMARY

LAB *LAB*	STAND NO. *STAND*
OIL CODE *CMIR/OILCODE*	STAND RUN NO. *STRUN*

AXLE CODES

ASSEMBLY DATE	MATCH NO.	PINION BATCH	RING BATCH
DTASSEM	*MATCHNO*	*PINBAT*	*RINGBAT*

MEASUREMENTS

DRIVE SIDE CONTACT PATTERN (Length Rating)				COAST SIDE CONTACT PATTERN (Length Rating)			
As Received	*DSCPLRAR*	As Tested	*DSCPLRAT*	As Received	*CSCPLRAR*	As Tested	*CSCPLRAT*
DRIVE SIDE CONTACT PATTERN (Flank Rating)				COAST SIDE CONTACT PATTERN (Flank Rating)			
As Received	*DSCPFRAR*	As Tested	*DSCPFRAT*	As Received	*CSCPFRAR*	As Tested	*CSCPFRAT*
OPERATOR INIT		*OINIT1*		OPERATOR INIT		*OINIT2*	
INITIAL BACKLASH (in.)		*BKLSINI1*	*BKLSINI2*		*BKLSINI3*		*BKLSINI4*
FINAL BACKLASH (in.)		*BKLSFNL1*	*BKLSFNL2*		*BKLSFNL3*		*BKLSFNL4*

TEST CONDITIONS

BREAK-IN PROCEDURES DESIGNATION	*BRKINDES*			
	Sequence 2	Unit of Measure	Sequence 4	Unit of Measure
Acceleration Rate	*ACRT2*	*ACRT2M*	*ACRT4*	*ACRT4M*
Deceleration Rate	*DCRT2*	*DCRT2M*	*DCRT4*	*DCRT4M*

INSPECTIONS

	RING % SCORE		PINION % SCORE	
	Drive Side	Coast Side	Drive Side	Coast Side
Break-In	*BKINDSR*	*BKINCSR*		
1st Noise Check	*NSCK1DSR*	*NSCK1CSR*		
2nd Noise Check	*NSCK2DSR*	*NSCK2CSR*		
Sequence 3	*SQ3DSR*	*SCSR*		
E.O.T.	*EOTDSR*	*ECSR*	*EOTDSP*	*ECSP*

Fig. A 2.4 MEASUREMENT SUMMARY

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FORM 4

DOWN TIME AND COMMENTS

LAB *LAB*	STAND NO. *STAND*
OIL CODE *CMIR/OILCODE*	STAND RUN NO. *STRUN*

Number of Downtime Occurrences		*DWNOCR*	
Test Hours	Date	Downtime	Reasons
DOWNR001	*DDATR001*	*DTIMR001*	*DREAR001*
		TOTLDOWN	Total Downtime

Other Comments		
Number of Comment Lines	*TOTCOM*	
OCOMR001		

Fig. A2.5 DOWN TIME AND COMMENTS