APPENDIX F
MAINTENANCE LOG

PART NAME	PART NO.	INCIDENT DATE	CONDITION	ACTION	ODOM MILES	TEST MILES	PART MILES	OPEN CLOSED
	NPN		Class III Oil leak out back of transmission.	Replaced gasket on back of transmission	3,170.0	183.4		Closed
Driveline	NPN	16-Jul-01	Driveline between #4 and #5 axles last forward U-joint separated at 5 mph.	Sent driveline to service dealer to have U-joints installed and balanced.	3,801.9	781.6		Open
Yoke, rear output shaft assembly	A3620-C-1459	17-Jul-01	No. 4 axle rear output shaft yoke lost U-joint retainer lip when U-joint failed.	Ordered parts.	3,801.9	781.6	781.6	Open
Taillight, left rear	01683	17-Jul-01	Left rear taillight burned out.	Replaced bulb.	3,801.9	781.6		Closed
Steering box, left	NPN	18-Jul-01	Four bolts from the left steering box were loose.	Retorqued bolts.	3,801.9	781.6		Closed
Yoke, rear output shaft assembly	A3620-C-1459	23-Jul-01	No. 4 axle rear output shaft yoke lost U-joint retainer lip when U-joint failed.	Replaced driveline, yoke assembly, dust cover, oil seal and adjustment nut.	3,801.9	781.6	781.6	Closed
Oil, engine	NPN	24-Jul-01	A scheduled service was performed.	The engine oil was changed.	3,894.5	874.2		Closed
Filter, engine oil	5281090	24-Jul-01	A scheduled service was performed.	The engine oil filter was changed.	3,894.5	874.2		Closed
Rear output shaft, cover bolts	NPN	25-Jul-01	Rear output shaft cover bolts came loose.	Retorqued bolts.	3,897.0	876.7		Closed
Computer, truck	NPN	27-Jul-01	Computer shut down after 30 miles. Upper panel went down for 2 hours.	Connected DDR to truck computer. Found one fault code "throttle position sensor input voltage low". Checked wiring under hump box and found alternator exciter wire connector loose and key switch hot wire loose. Retightened wires.	3,927.0	904.9		Closed
Driveline	NPN	27-Jul-01	Rear driveline failed.	Installed rear driveline.	3,927.0	904.9	904.9	Closed
Relay, CAPSTART	NPN	1-Aug-01	Intermittent flat panel display and steering control.	Replaced all relays with higher current, more robust model (Teledyne MOSD 100 amp relay)	3,932.2	910.1	910.1	Closed

PART NAME	PART NO.	INCIDENT DATE	CONDITION	ACTION	ODOM MILES	TEST MILES	PART MILES	OPEN CLOSED
Oil leak	NPN	2-Aug-01	Discovered Class I oil leak at upper right side of engine by hydaulic pump. Also, another Class I oil leak at upper left side of hydraulics at rear of engine.	Condition will be monitored.	3,984.7	961.0		Open
Tire	NPN	2-Aug-01	Had flat tire on Sandwash II course.	Changed tire.	3,984.7	961.0		Closed
Throttle	NPN	3-Aug-01	Throttle system intermittent on washboard.	Changed out throttle interface sensor.	3,984.7	961.0		Closed
Steering	NPN	3-Aug-01	Steering pulling to left.	Will troubleshoot.	3,984.7	961.0		Open
Shock, no. 2 axle, right and left side	NPN	5-Aug-01	Number 2 alxe left and right side shocks lost jounce and rebound control.	Replaced shocks	4,121.1	1,097.4	1,097.4	Closed
Driveline	NPN	5-Aug-01	Yoke bolts between transmission and #2 axle loose on both sides.	Removed driveline and retorqued bolts.	4,121.1	1,097.4		Closed
Steering box	3340968-67198-M90SAJ1	6-Aug-01	Steering pulling to left.	Left steering box in front of #2 axle bolts loose.	4,171.7	1,148.0		Open
Steering box	3340968-67198-M90SAJ1	7-Aug-01	Steering pulling to left.	Removed bolts, installed new lock washer, loctite, bolts and retorqued.	4,278.1	1,250.0		Closed
Tire	NPN	8-Aug-01	Left rear tire at #5 axle failed due to spike through tread..	Replaced tire.	4,334.1	1,306.0		Closed
O-ring, oil pressure sensor	NPN	8-Aug-01	O-ring on back of oil pressure sensor failed.	Replaced O-ring.	4,334.1	1,306.0	1,306.0	Closed
Tire	NPN	9-Aug-01	Tires on #1 axle failed due to spike through tread.	Replaced tires on #1 axle.	4,374.7	1,346.6		Closed
Steering control arm	NPN	9-Aug-01	Steering control arm loose.	Tighten steering control arm.	4,374.7	1,346.6		Closed
Transmission bolts, rear output	NPN	9-Aug-01	Transmission bolts on output rear top side loose.	Retorqued bolts.	4,374.7	1,346.6		Closed
Oil leak	NPN	9-Aug-01	Class I oil leak on right side.	Condition will be monitored.	4,374.7	1,346.6		Open
Taillight, left rear	01683	9-Aug-01	Left rear taillight burned out.	Replaced bulb.	4,451.7	1,423.6		Closed
Steering box	3340968-67198-M90SAJ1	10-Aug-01	Left steering box bolts loose on #2 axle.	Retorqued bolts.	4,511.1	1,480.7		Closed
O-ring, pressure control valve	NPN	10-Aug-01	Pressure control valve, O-ring failed.	Replaced part.	4,511.1	1,480.7	1,480.7	Closed

PART NAME	PART NO.	INCIDENT DATE	CONDITION	ACTION	ODOM MILES	TEST MILES	PART MILES	OPEN CLOSED
O-ring, pressure control valve	NPN	13-Aug-01	Pressure control valve had blown O-ring. O-ring was pinched and blew under pressure.	Replaced part.	4,571.1	1,540.7	60.0	Closed
Hydraulic fluid	NPN	13-Aug-01	Hydraulic fluid low.	Added 4 gallons hydraulic fluid.	4,571.1	1,540.7		Closed
Shock, No. 2 axle, righr side	NPN	13-Aug-01	Right side shock lost jounce and rebound control.	Replaced shock	4,571.1	1,540.7	443.3	Closed
Shock, no. 1 axle, left side	NPN	13-Aug-01	Left side shock lost jounce and rebound control.	Replaced shock	4,571.1	1,540.7	443.3	Closed
Transmission bolts, rear output	NPN	15-Aug-01	Transmission bolts on output rear top side loose.	Retorqued bolts.	4,681.6	1,639.2		Closed
Steering box	3340968-67198-M90SAJ1	15-Aug-01	Left side steering box , #2 axle, had four bolts loose and one bolt fell out.	Replaced one bolt and retorqued remaining bolts.	4,681.6	1,639.2		Closed
Steering box	3340968-67198-M90SAJ1	21-Aug-01	Left side steering box, #2 axle, bolts loose.	Retorqued bolts.	4,812.8	1,770.4		Closed
Steering box	3340968-67198-M90SAJ1	22-Aug-01	Left side steering box, #2 axle, bolts loose.	Retorqued bolts.	4,924.2	1,881.8		Closed
Radiator hose	NPN	22-Aug-01	Radiator hose has leak on right side.	Added 1.5 gallons antifreeze.	4,924.2	1,881.8		Open
Radiator hose	NPN	27-Aug-01	Radiator hose has leak on right side.	Removed hose and welded crack in steel hose.	4,924.2	1,881.8		Closed
Steering box	3340968-67198-M90SAJ1	27-Aug-01	Steering box needs replaced.	Replaced steering box.	4,924.2	1,881.8	1,881.8	Closed
Transmission, rear, outer bolts	NPN	4-Sep-01	Transmission rear outer cap bolts, top bolt loose.	Removed bolts, cleaned, loctite and reinstalled.	5,044.3	2,001.6		Closed