



Test Monitoring Center

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MEMORANDUM: 07-073
DATE: November 13, 2007
TO: L-37 Surveillance Panel
FROM: Donald Lind
SUBJECT: Updated L-37 RCMS Pinion Targets

At the November 7, 2007 L-37 Surveillance Panel meeting, the panel approved the updated L37 RCMS pinion targets. The data for the L-37 RCMS pinions are attached.

These targets are effective for all ratings completed on or after November 20, 2007.

DML/dml

Attachments

c: Frank Farber, TMC
John L. Zalar, TMC
ASTM Gear Rating Task Force
<ftp://ftp.astmtmc.cmu.edu/docs/gear/L-37/memos/mem07-073.pdf>

Distribution: email

UPDATED L-37RC PINION TARGETS

	PINION 8					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	9	7.7	0.78	27	7.0	0.60
Rippling		7.6	0.67		7.8	0.89
Ridging		7.9	1.00		7.7	0.78
Spitting		9.91	0.100		9.9	0.090

	PINION 13					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	9	8.2	0.89	20	7.5	0.60
Rippling		9.2	0.89		9.6	0.67
Ridging		9.9	1.00		9.5	0.56
Spitting		9.97	0.078		9.92	0.089

	PINION 17					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	9	6.0	1.11	23	5.7	0.78
Rippling		8.6	0.67		9.0	1.11
Ridging		7.4	0.67		8.1	1.00
Spitting		5.78	0.867		6.1	1.00

	PINION 18					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	9	5.7	0.78	28	5.6	0.67
Rippling		9.0	1.11		9.1	1.00
Ridging		4.8	0.89		4.9	1.00
Spitting		9.88	0.089		9.87	0.078

UPDATED L-37RC PINION TARGETS

	PINION 19					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	9	7.0	1.11	20	6.1	0.56
Rippling		9.6	0.67		9.3	0.78
Ridging		7.6	0.67		7.5	0.56
Spitting		9.92	0.089		9.9	0.056

	PINION 27					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	9	5.7	0.78	21	5.6	0.67
Rippling		8.4	0.67		8.4	0.67
Ridging		5.6	0.67		5.3	0.78
Spitting		9.8	0.111		9.66	0.20

	PINION 34					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	6.3	0.78	22	6.4	0.67
Rippling		6.7	1.44		6.7	0.78
Ridging		8.0	1.11		7.5	0.56
Spitting		9.93	0.078		9.90	0.056

	PINION 35					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	6.5	0.56	23	6.7	0.78
Rippling		4.5	1.21		4.8	0.89
Ridging		7.5	0.56		7.7	0.78
Spitting		9.88	0.089		9.90	0.056

UPDATED L-37RC PINION TARGETS

	PINION 37					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	6.7	0.78	20	7.7	0.78
Rippling		9.3	0.78		9.2	0.89
Ridging		9.8	0.89		9.4	0.67
Spitting		9.92	0.089		9.91	0.056

	PINION 43					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	6.5	0.56	22	6.8	0.89
Rippling		9.5	0.56		9.3	0.78
Ridging		9.2	0.89		9.0	0.56
Spitting		9.92	0.089		9.90	0.056

	PINION 47					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	6.0	1.10	20	6.2	0.89
Rippling		8.7	0.78		8.7	0.78
Ridging		4.8	0.89		5.0	1.12
Spitting		9.92	0.089		9.88	0.089

	PINION 54					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	6.5	0.56	24	6.8	0.89
Rippling		9.3	0.75		9.2	0.89
Ridging		8.8	0.92		8.8	0.89
Spitting		9.90	0.111		9.90	0.056

UPDATED L-37RC PINION TARGETS

	PINION 56					
PARAMETER	CURRENT			NEW		
	N	MEAN	S.D.	N	MEAN	S.D.
Wear	6	7.3	0.74	20	7.2	0.89
Rippling		8.2	1.30		8.9	1.00
Ridging		8.2	1.30		8.6	0.67
Spitting		9.90	0.111		9.88	0.056