THICKNESS AND REMAINING LIFE

Sample plant (fictional data)
As of 25 Nov 2026

All equipment

30
CMLs

0.0 yrs
shortest remaining life (SMP-L-303 · CML-03 Tee)

Mar 2025
next inspection (overdue)

1
at or below t-min

CML	NOMINAL	T-MIN	LAST	LT RATE	ST RATE	RL	NEXT
SMP-L-303 · CML-03 Tee	9.53	6.40	6.40	0.50	0.59	at or below t-min	overdue since Mar 2025
SMP-L-303 · CML-01 Elbow	9.53	6.40	8.06	0.22	0.26	4.7	May 2028
SMP-L-301 · CML-01 Elbow 1	11.13	8.20	9.92	0.18	0.21	6.5	Apr 2029
SMP-V-101 · CML-02 Bottom head	16.00	12.10	14.63	0.20	0.25	8.4	Mar 2030
SMP-D-401 · CML-02 Bottom head	10.00	7.00	8.93	0.15	0.18	9.0	Jul 2030
SMP-V-102 · CML-02 Bottom head	12.70	9.50	11.79	0.13	0.16	12.6	Apr 2032

CML	NOMINAL	T-MIN	LAST	LT RATE	ST RATE	RL	NEXT
SMP-L-302 · CML-01 Elbow 1	8.18	5.60	7.39	0.11	0.12	13.2	Mar 2030
SMP-L-301 · CML-04 Reducer	11.13	8.20	10.38	0.10	0.14	13.8	Mar 2030
SMP-E-201 · CML-01 Shell inlet	14.00	10.50	13.03	0.14	0.15	15.1	Aug 2033
SMP-L-302 · CML-03 Elbow 2	8.18	5.60	7.41	0.10	0.09	15.8	Mar 2030
SMP-L-301 · CML-03 Tee	11.13	8.20	10.30	0.11	0.10	16.8	Mar 2030
SMP-V-101 · CML-01 Shell course 1	16.00	12.10	15.21	0.11	0.12	24.2	Mar 2035
SMP-L-302 · CML-04 Drain branch	8.18	5.60	7.61	0.07	0.07	26.9	Mar 2030
SMP-V-103 · CML-02 Head	19.00	14.50	18.13	—	0.12	28.5	Mar 2035
SMP-E-201 · CML-04 Nozzle	14.00	10.50	13.31	—	0.09	29.5	Mar 2035

CML	NOMINAL	T-MIN	LAST	LT RATE	ST RATE	RL	NEXT
SMP-V-102 · CML-01 Shell	12.70	9.50	12.11	0.07	0.08	30.9	Mar 2035
SMP-D-401 · CML-01 Shell	10.00	7.00	9.47	0.06	0.07	33.5	Mar 2035
SMP-V-101 · CML-05 Shell course 2	16.00	12.10	15.31	0.09	0.09	33.9	Mar 2035
SMP-V-103 · CML-01 Shell	19.00	14.50	18.25	—	0.10	35.8	Mar 2035
SMP-E-201 · CML-02 Shell outlet	14.00	10.50	13.39	0.08	0.07	36.0	Mar 2035
SMP-L-301 · CML-02 Straight run	11.13	8.20	10.64	0.06	0.05	41.3	Mar 2030
SMP-E-201 · CML-03 Channel	14.00	10.50	13.53	0.05	0.06	48.7	Mar 2035
SMP-V-102 · CML-04 Manway neck	12.70	9.50	12.27	0.05	0.02	57.6	Mar 2035

CML	NOMINAL	T-MIN	LAST	LT RATE	ST RATE	RL	NEXT
SMP-V-102 · CML-03 Top head	12.70	9.50	12.31	0.04	0.04	68.4	Mar 2035
SMP-L-302 · CML-02 Straight run	8.18	5.60	7.85	0.03	0.03	73.1	Mar 2030
SMP-V-101 · CML-03 Top head	16.00	12.10	15.59	0.04	0.03	78.8	Mar 2035
SMP-D-401 · CML-03 Top head	10.00	7.00	9.69	0.03	0.02	99.1	Mar 2035
SMP-L-303 · CML-02 Straight run	9.53	6.40	9.38	—	—	Not calculable: needs at least 2 readings	Mar 2030
SMP-V-101 · CML-04 Outlet nozzle	16.00	12.10	15.85	0.00	0.00	no loss	Mar 2035
SMP-V-103 · CML-03 Nozzle	19.00	14.50	18.85	—	—	Not calculable: needs at least 2 readings	Mar 2030

Thickness in mm, rates in mm/yr, remaining life (RL) in years at the report date. Governing rate = the larger of the long-term (LT) and short-term (ST) rate, or the design rate if it is higher. Next inspection = the earlier of half the remaining life and the maximum interval for the equipment type, counted from the last reading.

Remaining life and intervals: Follows API 510/570 practice · not independently validated · calculation version 1.4.1. Calculation engine revision 1.4.1 (2026-11-21). Calculated. Engineering acceptance is recorded separately. Engineering judgement is required before acting.

Prepared by · Reliatic sample data · 25 Nov 2026

Reviewed by (authorised inspector)

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