

RESILON T™ X 540 CASE HISTORIES

Piston and Rider Rings

Case #	Location	Horizontal/ Vertical	Gas	Lube/ Non- Lube	Stages	Cylinder Diameter	Speed RPM	Single/ Double Acting	Discharge Pressure (psi)	Discharge Temperature (°F)	Wet/ Dry	Previous Life (hrs)	Current Life (hrs)
1	Alaska	H	Acetylene	L	1-3	9.000 6.500 3.880	90	D	350	240	Dry	8,000	13,000+
2	Mexico	H	Helium	L	1-3	13.800 15.187 3.875	190	D	850	374	Dry	6,500	14,000+
3	Northwest	H	Air	NL	3-4	2.875 1.375	230	D	2,300	130	Dry	4,000	12,000+
4	United Kingdom	H	Methane	NL	1-2	11.000 7.000	900	D	200	250	Dry	8,600	13,000+
5	Overseas	H	Natural Gas	NL	1-3	18.500 13.000 9.000	990	D	508	286	Dry	2,500	10,000+
6	Northwest	V	Nitrogen	NL	1	5.750	550	D	180	270	Dry	2,500	9,500+
7	Mexico	H	Raw Hydrogen	NL	1	13.750	1250	D	200	280	Dry	6,000	11,000+
8	Southwest	H	Methane	NL	2	17.500	360	D	600	235	Bone Dry	5,000	15,300
9	Midwest	H	Methane	NL	2	17.000 7.500	350	D	353	241	Bone Dry	6,500	14,750
10	Midwest	H	Chlorine	NL	1	20.110	300	D	200	280	Mix	2,700	9,500
11	Midwest	H	Nitrogen	NL	1	9.000	360	D	240	265	Dry	6,000	13,000
12	Midwest	H	Air	NL	1	17.100	400	D	210	295	Wet	8,000	14,500
13	Southwest	H	Ammonia	NL	1	19.100	360	D	53	170	Dry	6,000	12,000+
14	Southwest	H	Ethylene	L	2	5.125 3.875	340	D	4000	220	Mix	9,000	16,000

FEATURES

- Lower wear rates
- Available as solid or split rider band designs
- Operates in bone dry and wet gas conditions
- Available for piston rings, rider bands and pressure packing



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15	Northwest	H	Compressed Natural Gas	L	4	1.750	800	D	3825	320	Dry	2,400	9,500+
16	United Kingdom	V	Compressed Natural Gas	NL	4	2.440	1000	D	4350	338	Dry	2,500	8,000+
17	Rockies	H	Carbon Dioxide	NL	1	6.750	350	D	970	350	Dry	2,200	7,000+
18	Mexico	H	Hydrogen	L	1-2	2.750 1.250	633	S	2900	200	Dry	3,800	13,500
19	Southwest	H	Carbon Dioxide	NL	1-2	17.500 10.000	505	D	270	320	Wet	4,200	10,000+
20	Canada	H	Carbon Dioxide	NL	2	10.900	360	D	300	310	Wet	3,000	8,500+
21	Midwest	H	Argon	NL	2	9.500 6.500	255	D	65	250	Dry	8,500	10,000+
22	Midwest	H	Nitrogen	NL	2	7.000 5.000	615	D	500	250	Dry	6,000	11,000+
23	Rockies	H	Argon	NL	2	9.000 6.000	440	D	70	270	Dry	6,800	12,000+
24	Midwest	H	Hydrogen	L	3	13.000	350	D	1100	260	Dry	24,000	40,000+
25	Canada	H	Helium	L	4-5	3.500 1.875	300	D	3100	300	Dry	100	4,500+
26	Canada	H	Helium	L	1-5	5.000 3.000 1.875	300	D	3000	295	Dry	3,600	16,000+
27	Canada	H	Acetylene	L	1-3	10.000 6.5000 3.750	90	D	375	125	Dry	12,000	50,000+
28	Southwest	H	Hydrogen	L	1	12.250 13.000 3.500 1.875	300	D	2700	300	Dry	14,000	24,000+