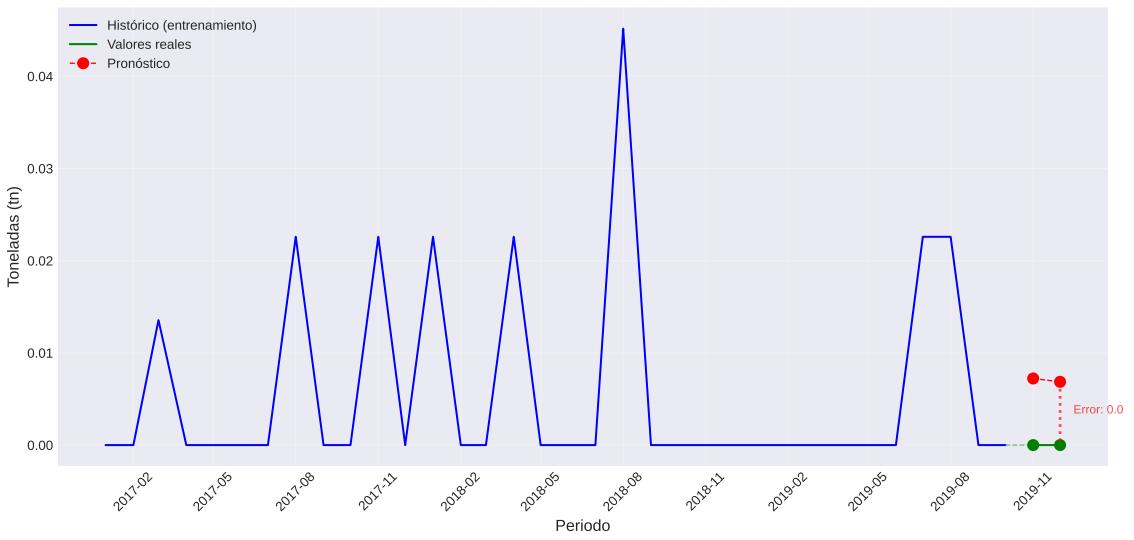
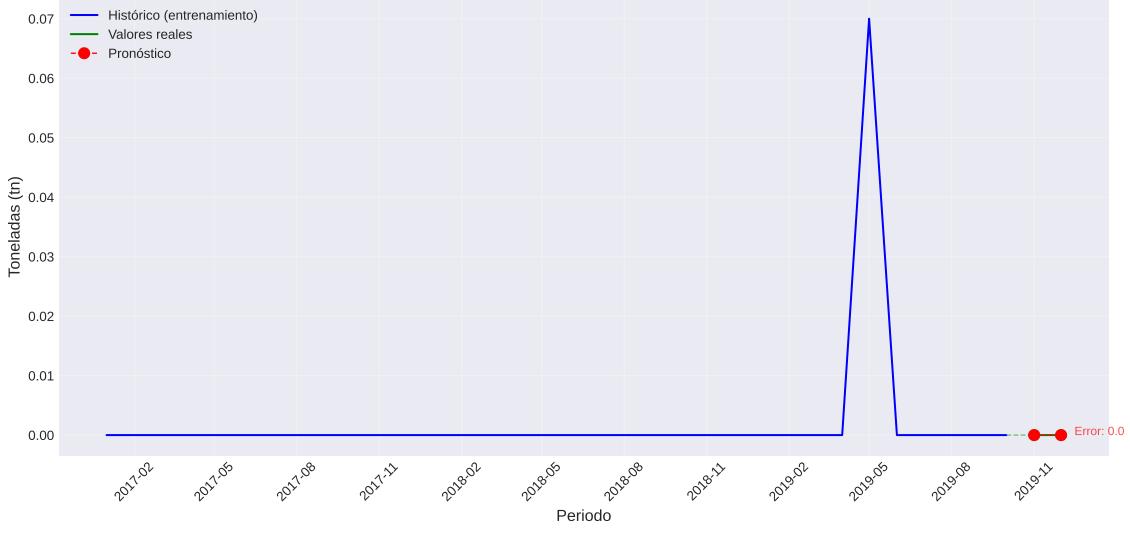
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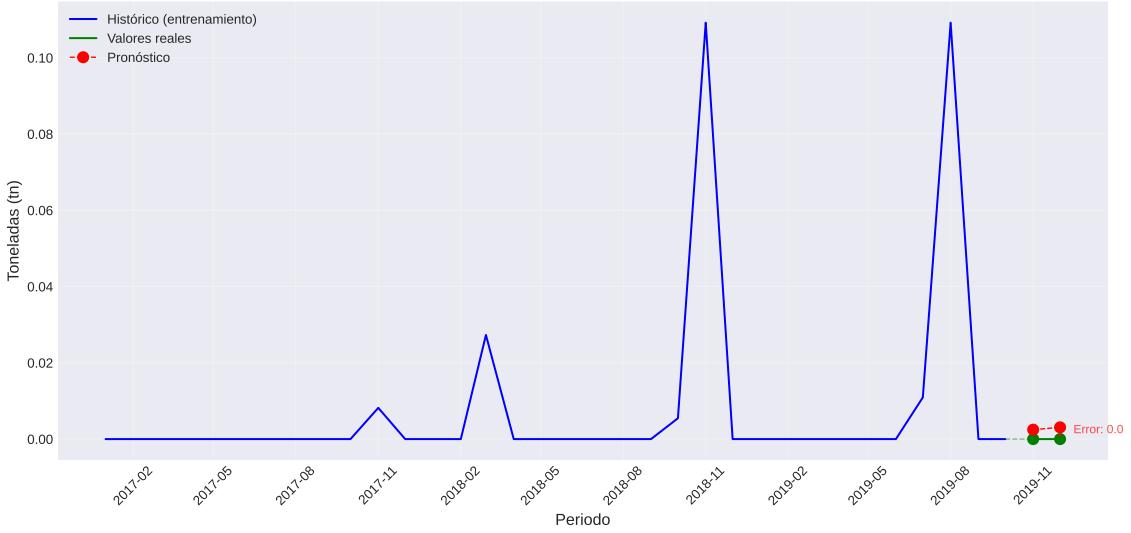
Producto: 20075 - Cliente: 10335



Producto: 20016 - Cliente: 10006 45 Histórico (entrenamiento) Valores reales Pronóstico 40 35 30 Toneladas (tn) Error: 5.2 15 10 Periodo

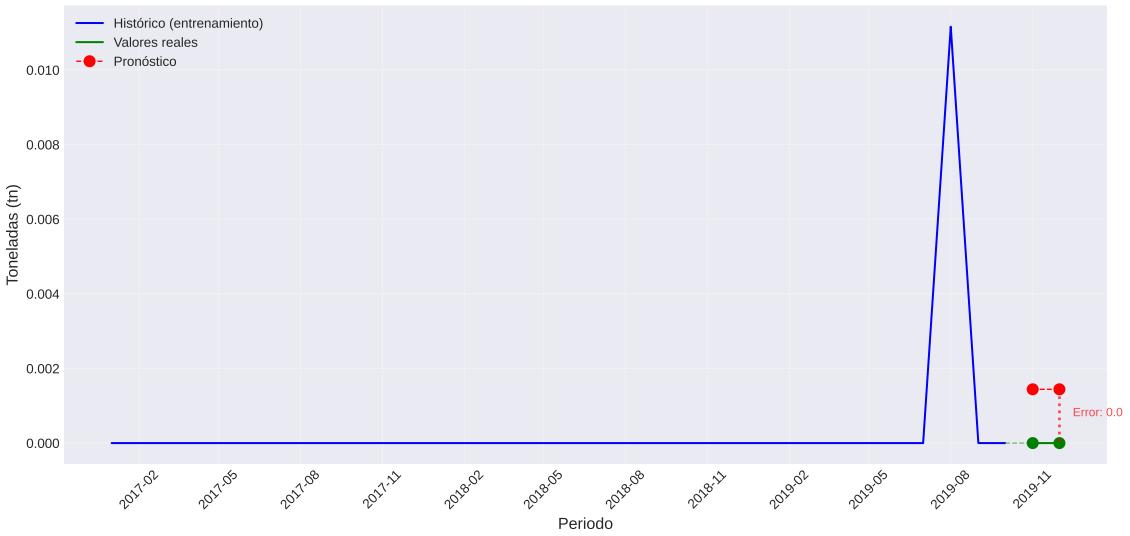
Producto: 20713 - Cliente: 10228 Histórico (entrenamiento) Valores reales - Pronóstico 0.010 0.008 Toneladas (tn) 0.006 0.004 0.002 Error: 0.0 0.000 Periodo

Producto: 20224 - Cliente: 10319



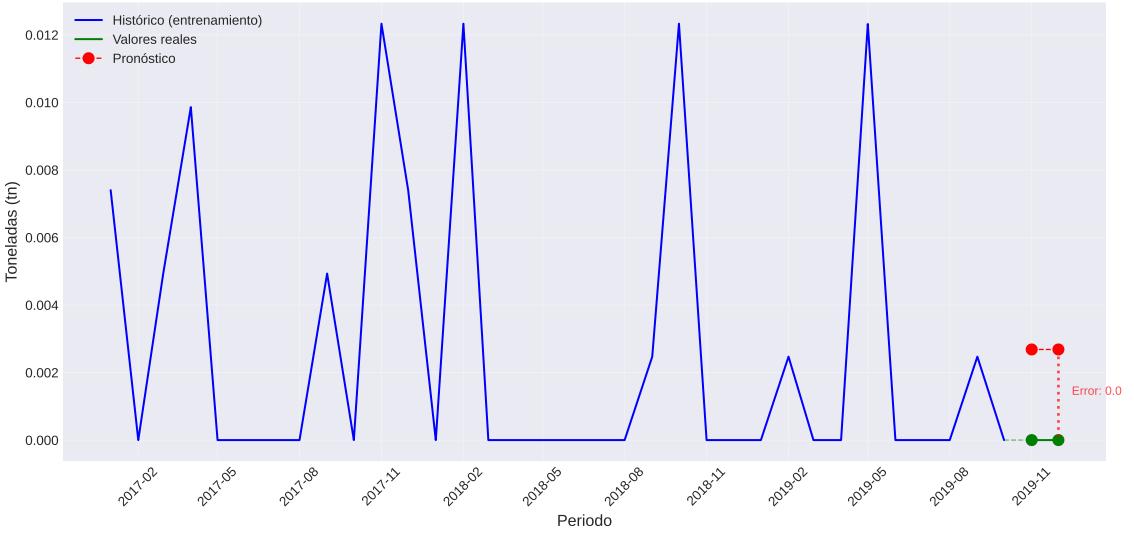
Producto: 20192 - Cliente: 10588 Histórico (entrenamiento) Valores reales - Pronóstico 0.0150 0.0125 Toneladas (tn) 0.0100 0.0050 0.0025 Error: 0.0 0.0000 Periodo

Producto: 20174 - Cliente: 10161

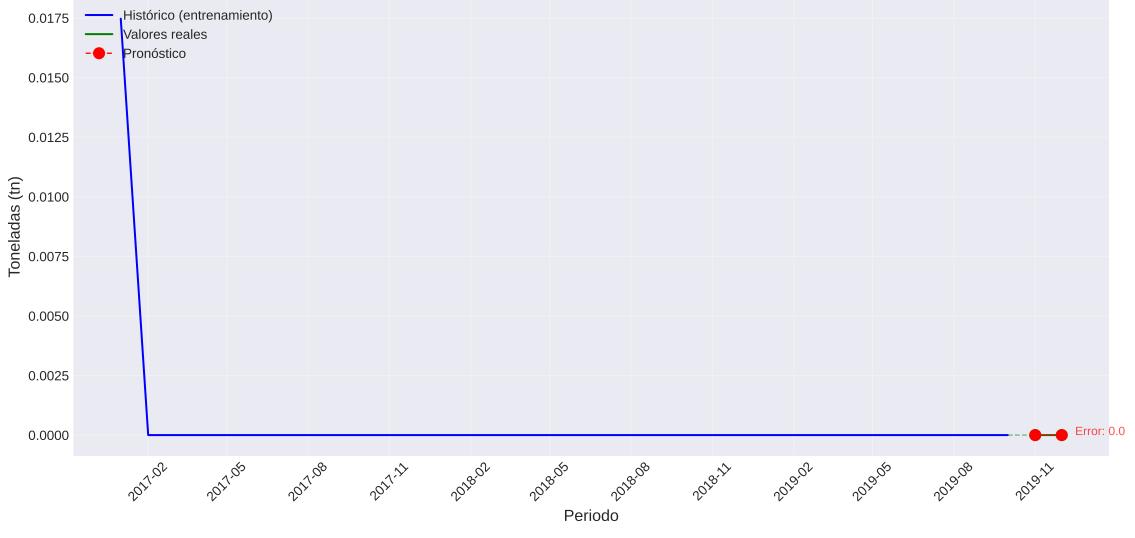


Producto: 20097 - Cliente: 10102 Histórico (entrenamiento) Valores reales - Pronóstico 0.06 0.05 Toneladas (tn) 0.02 0.01 0.00 Periodo

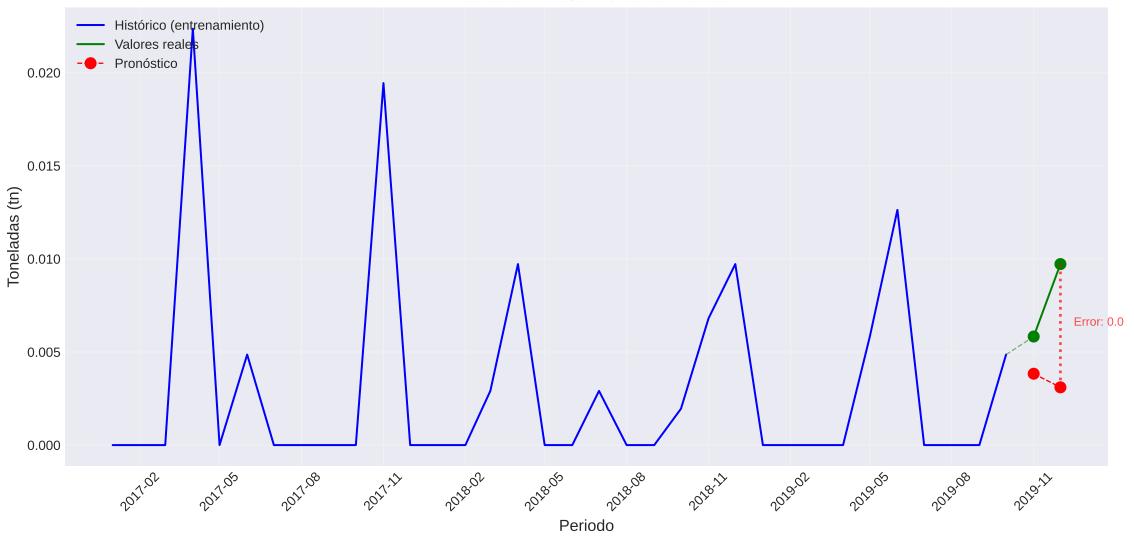
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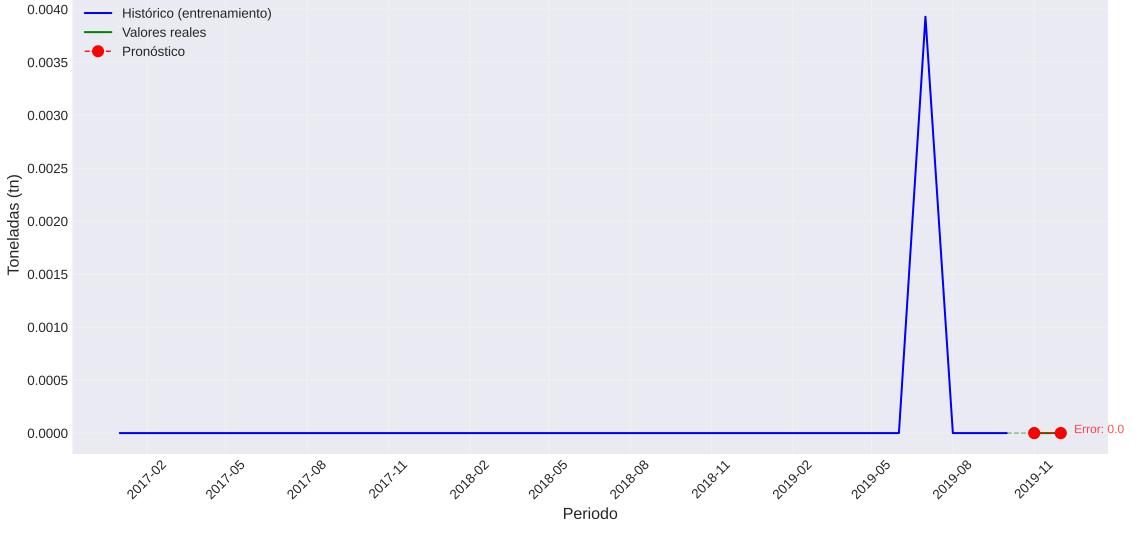
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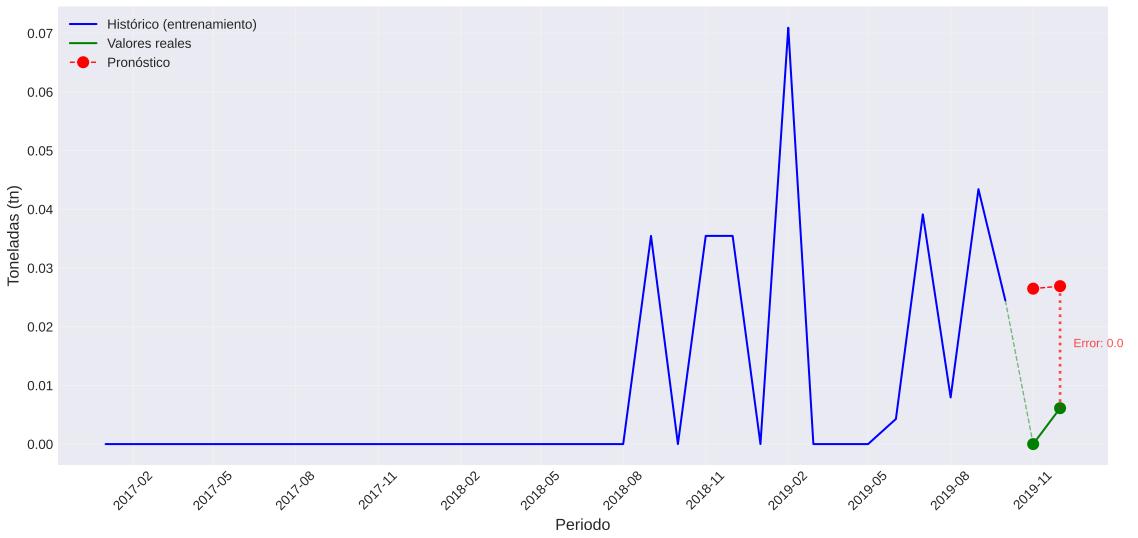
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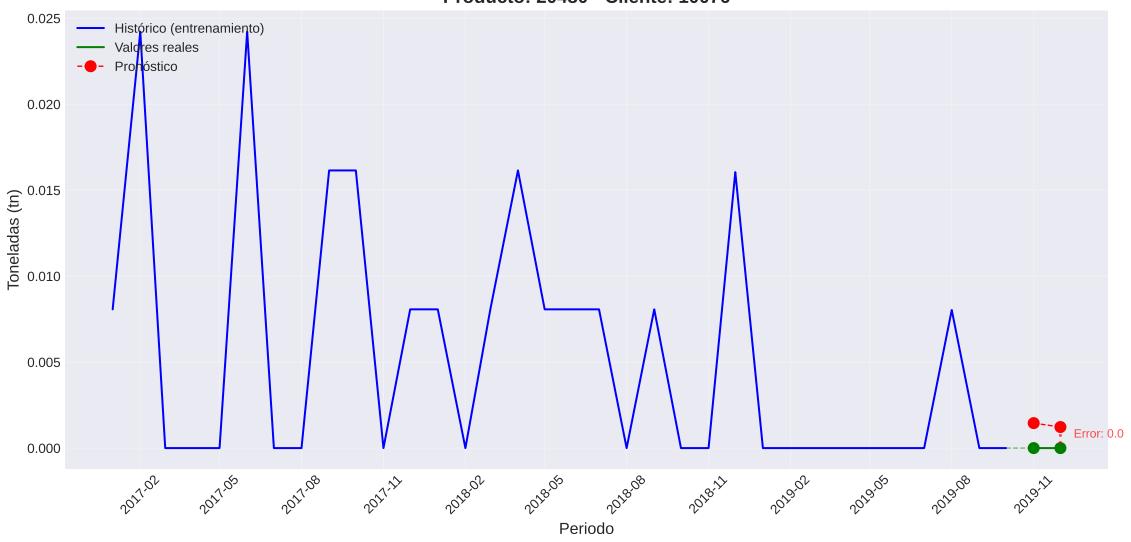
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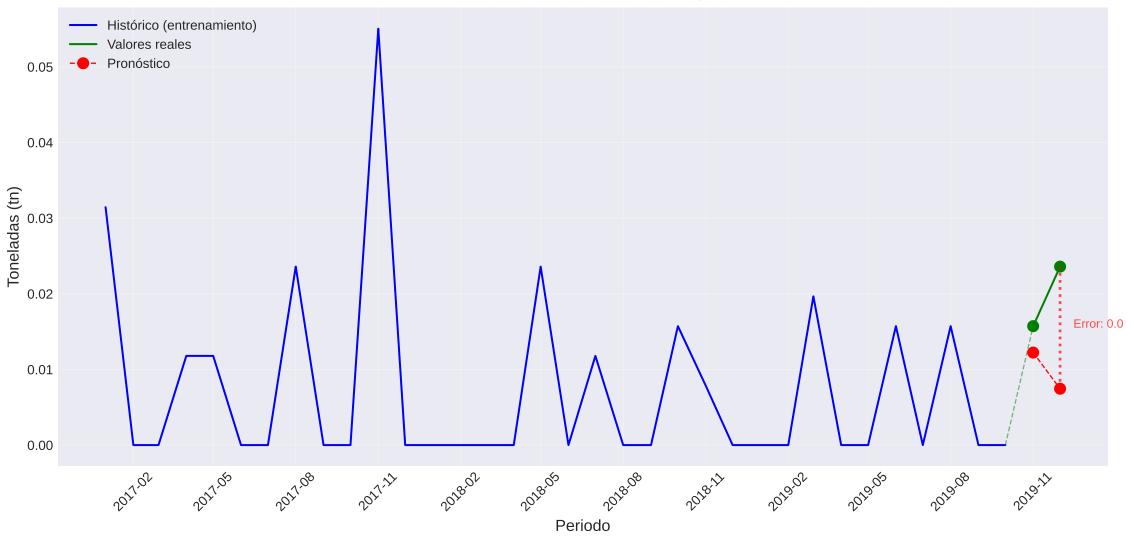
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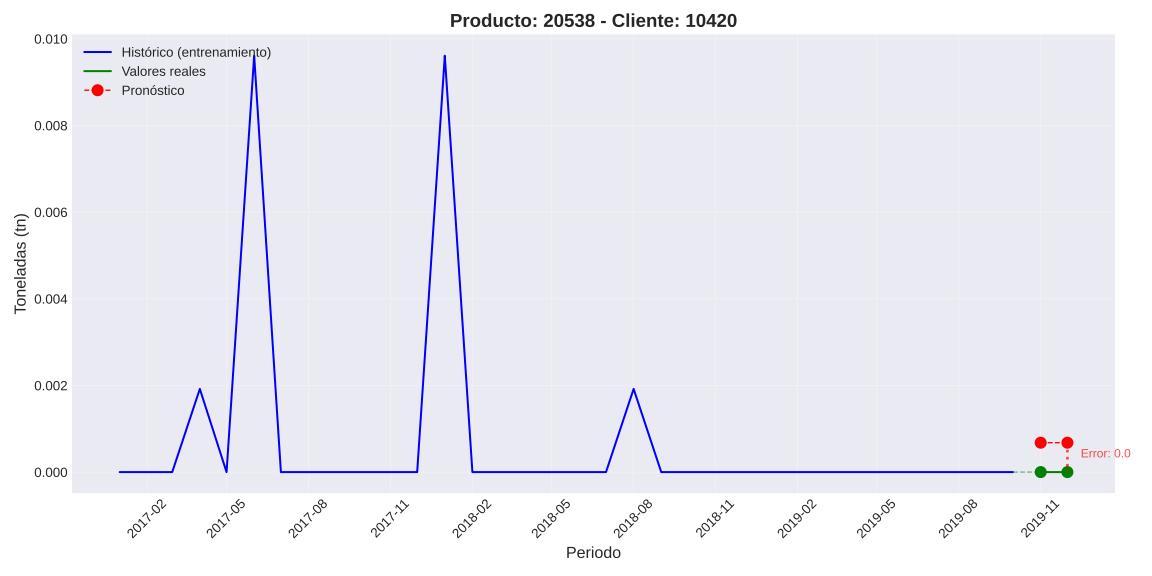


Producto: 20480 - Cliente: 10076

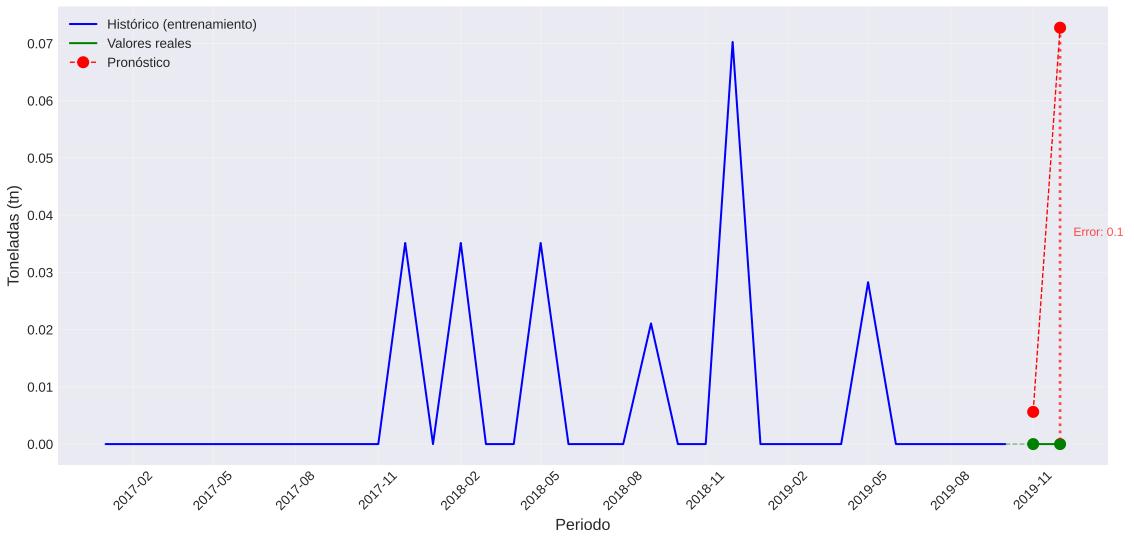


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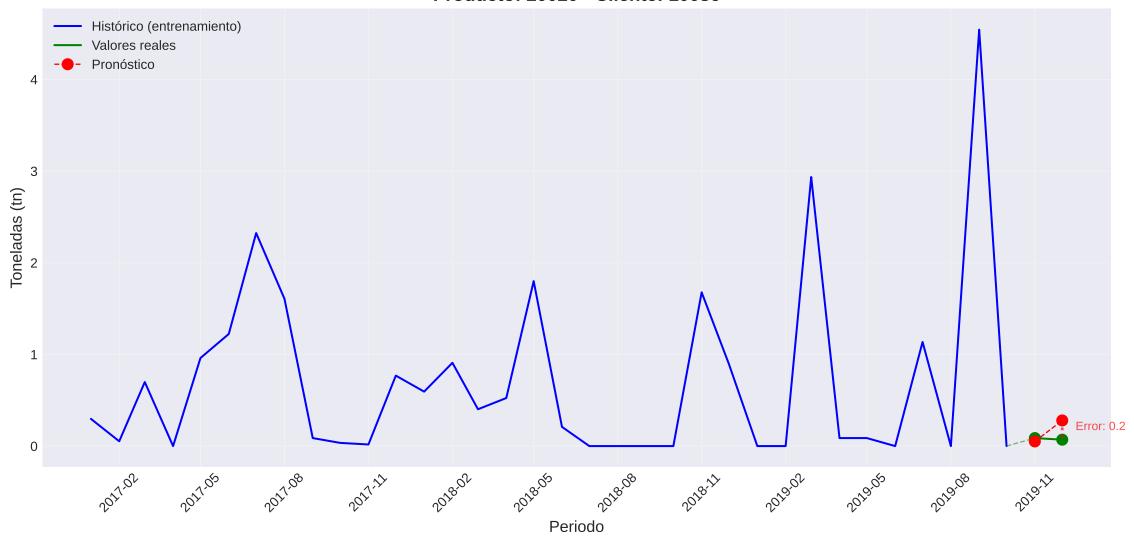




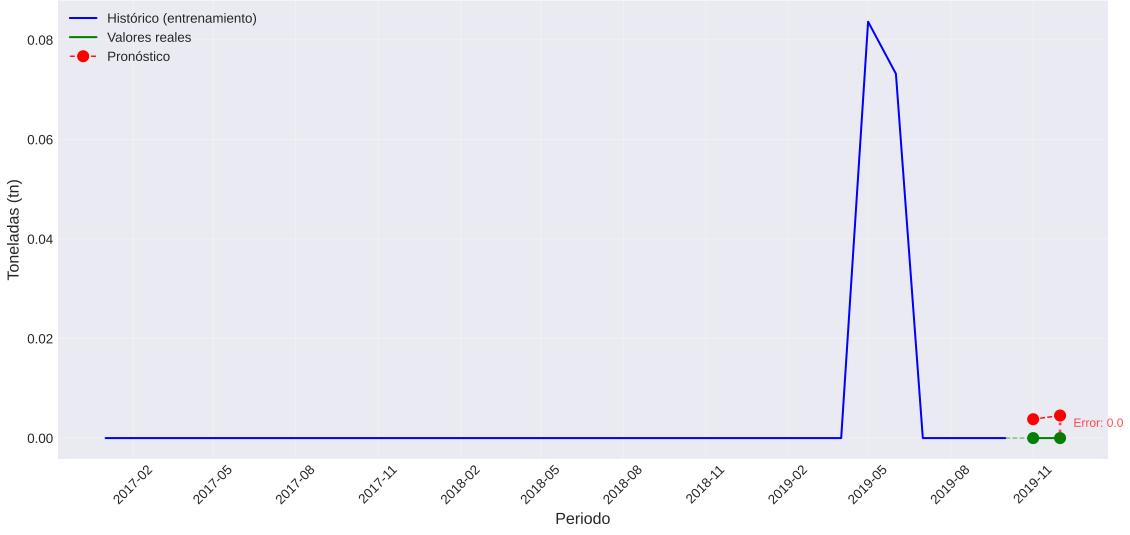
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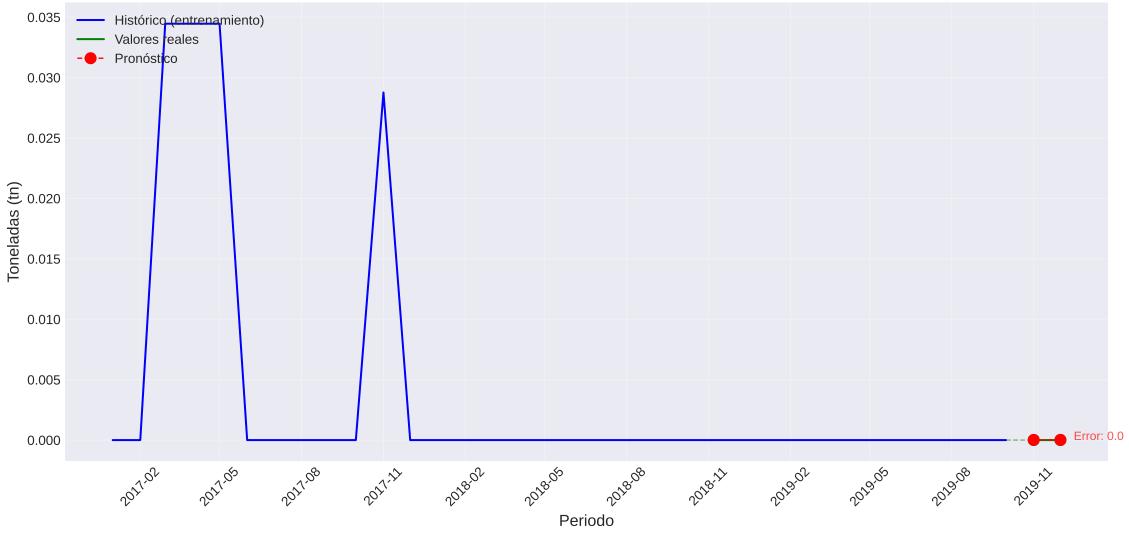
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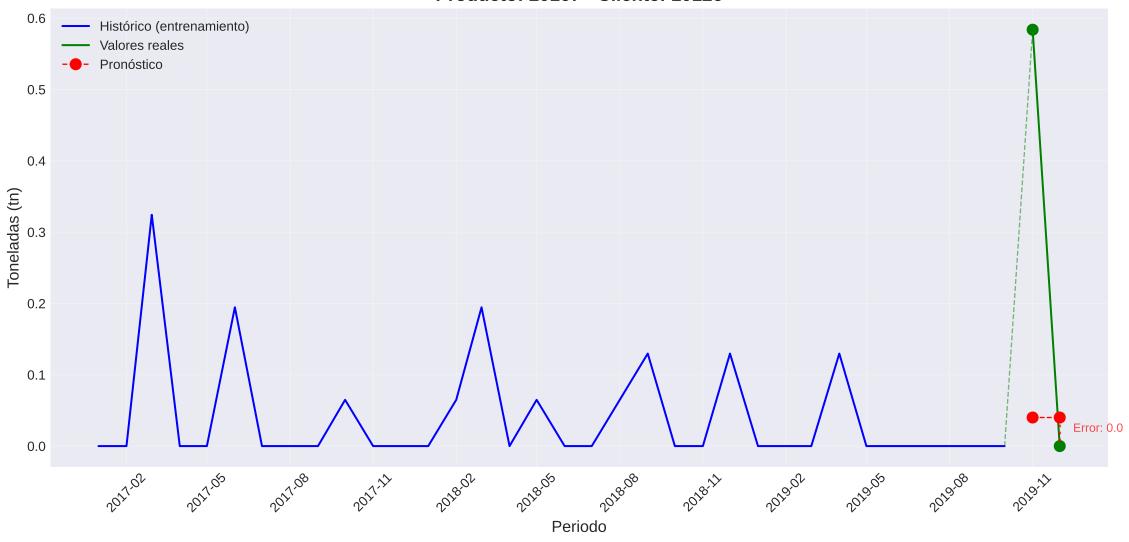
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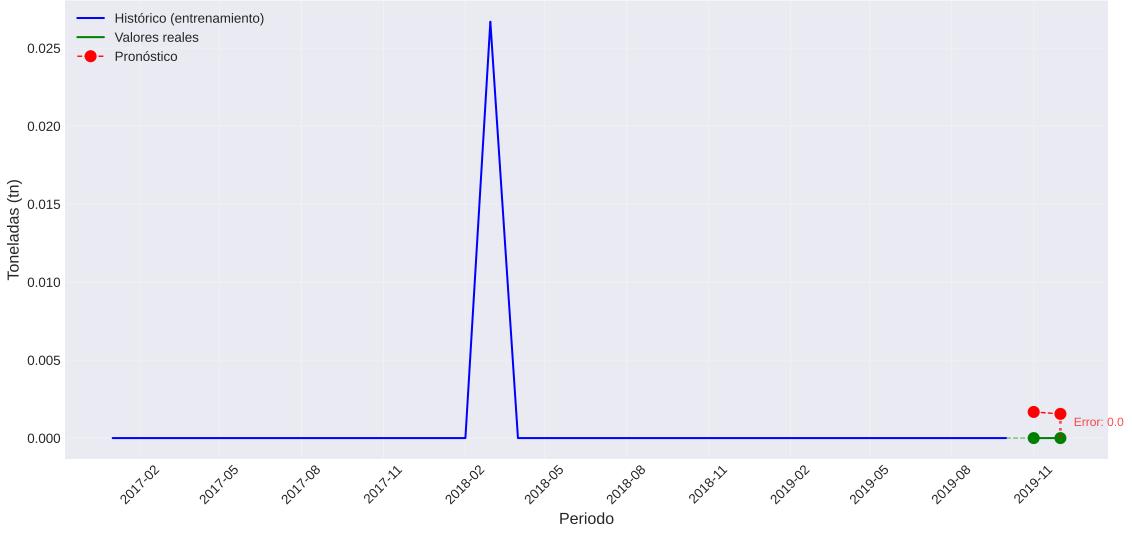
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Producto: 20167 - Cliente: 10126



Producto: 20181 - Cliente: 10314



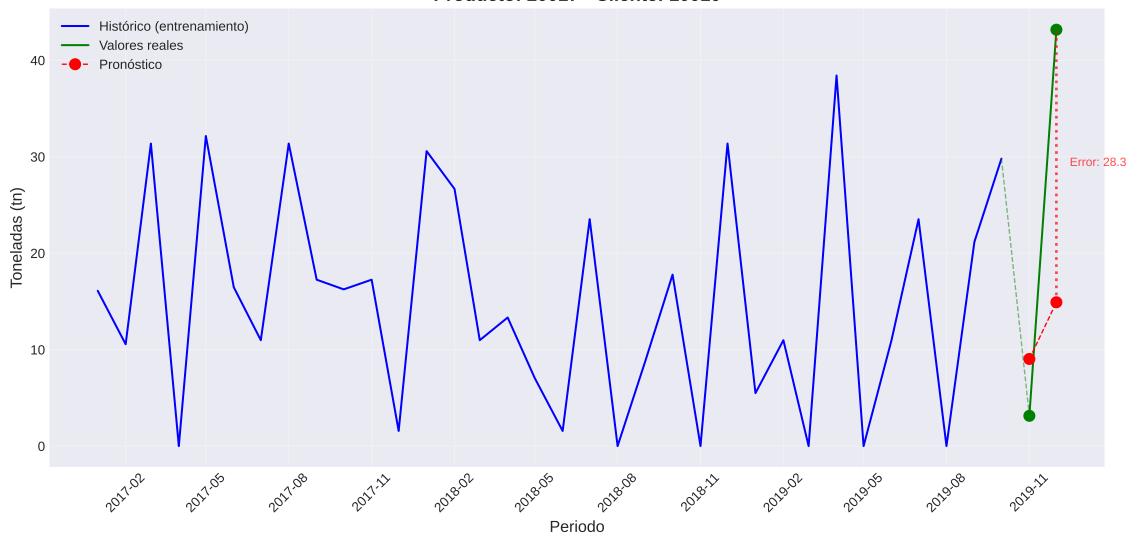
Producto: 20424 - Cliente: 10509 Histórico (entrenamiento) Valores reales 0.0010 - Pronóstico 0.0008 Toneladas (tn) 900000 4 0.0002 Frror: 0.0 0.0000

Periodo

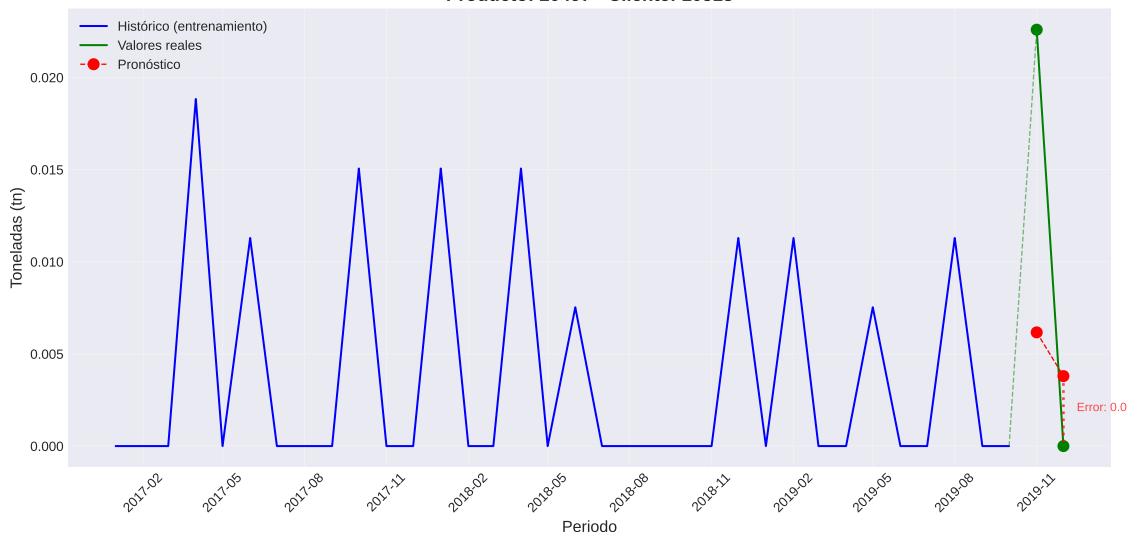
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Periodo

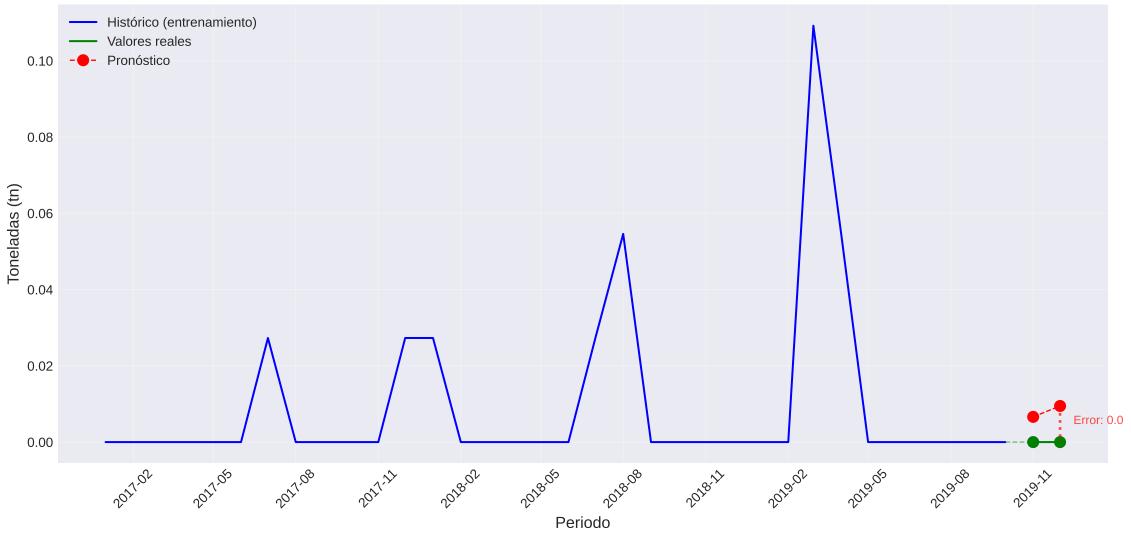
Producto: 20017 - Cliente: 10010



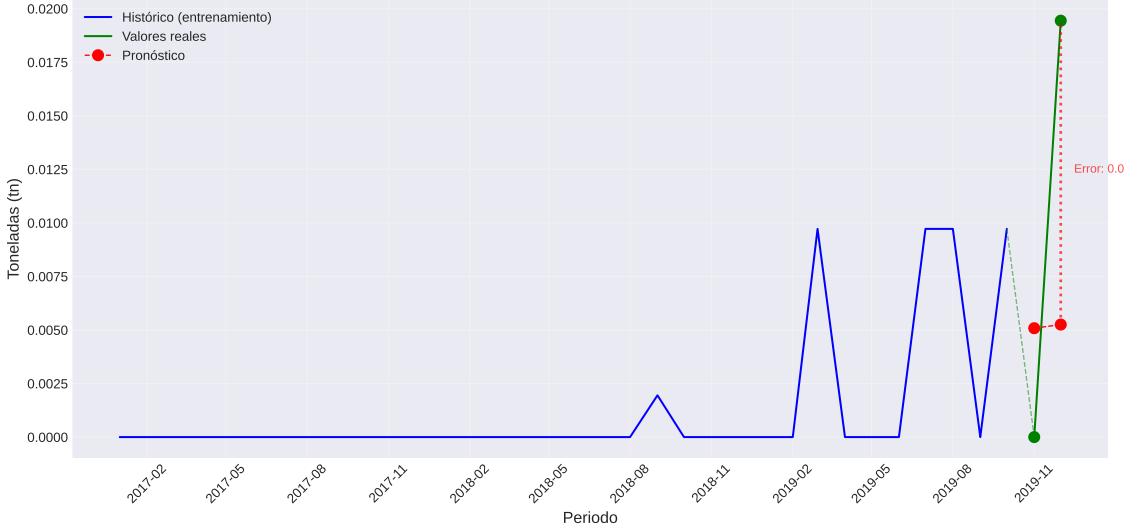
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Producto: 20146 - Cliente: 10471

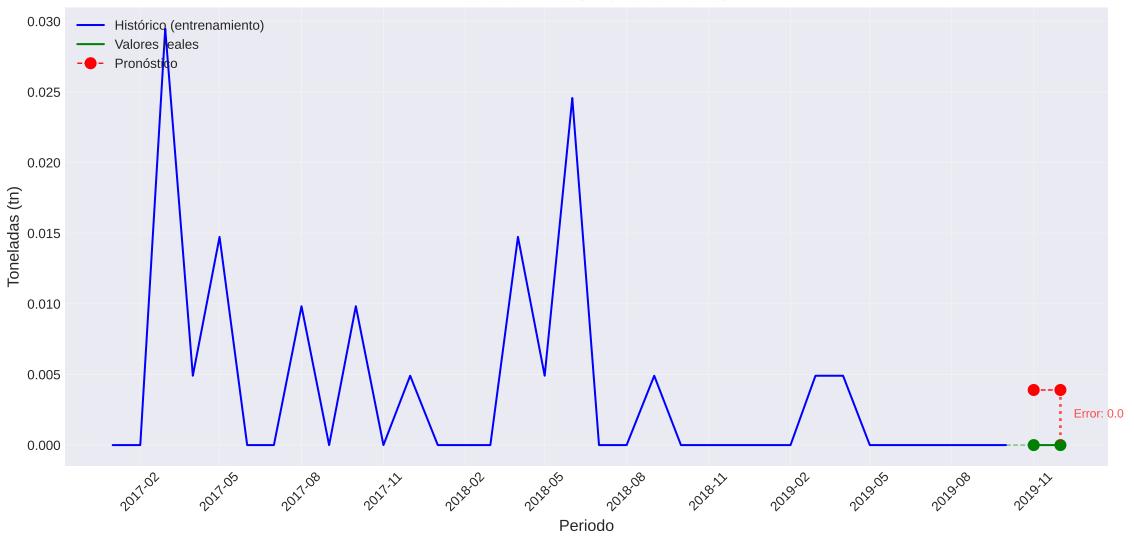


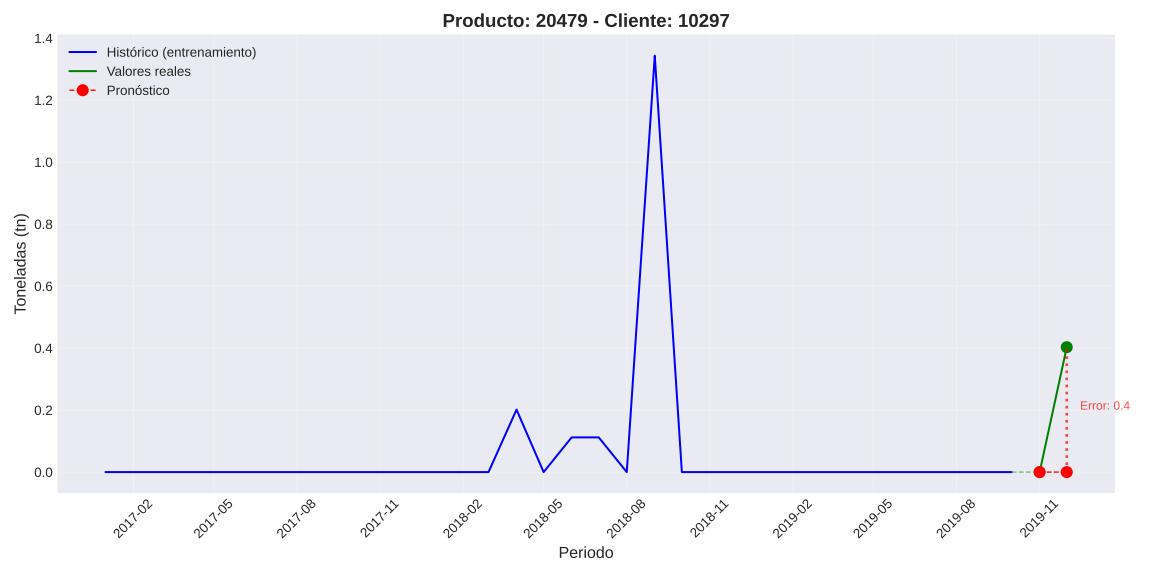
Producto: 20679 - Cliente: 10448



Producto: 20604 - Cliente: 10042 1.2 Histórico (entrenamiento) Valores reales Pronóstico 1.0 8.0 Toneladas (tn) 0.4 0.2 Error: 0.1 0.0 Periodo

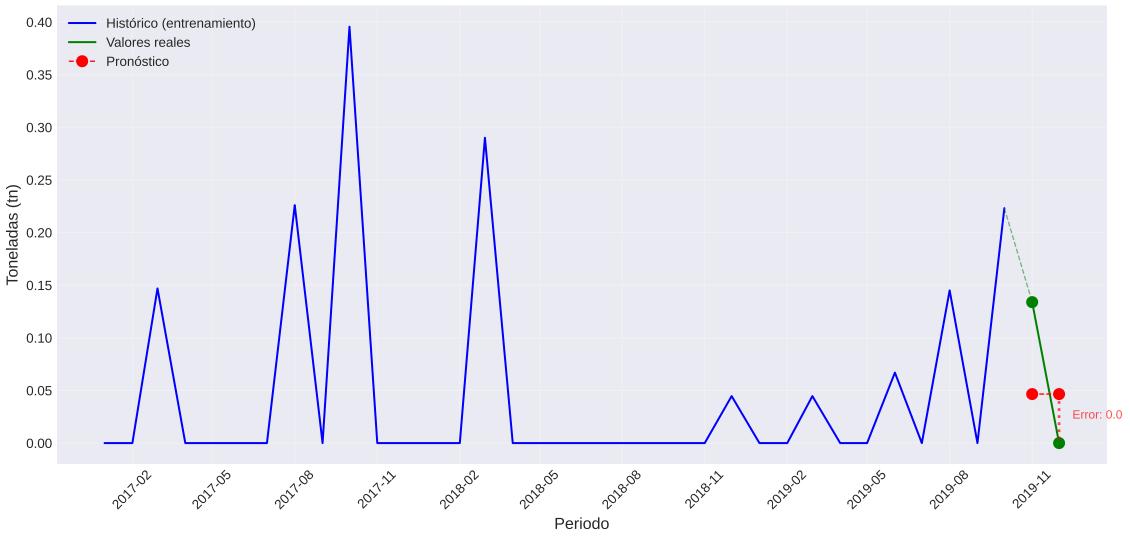
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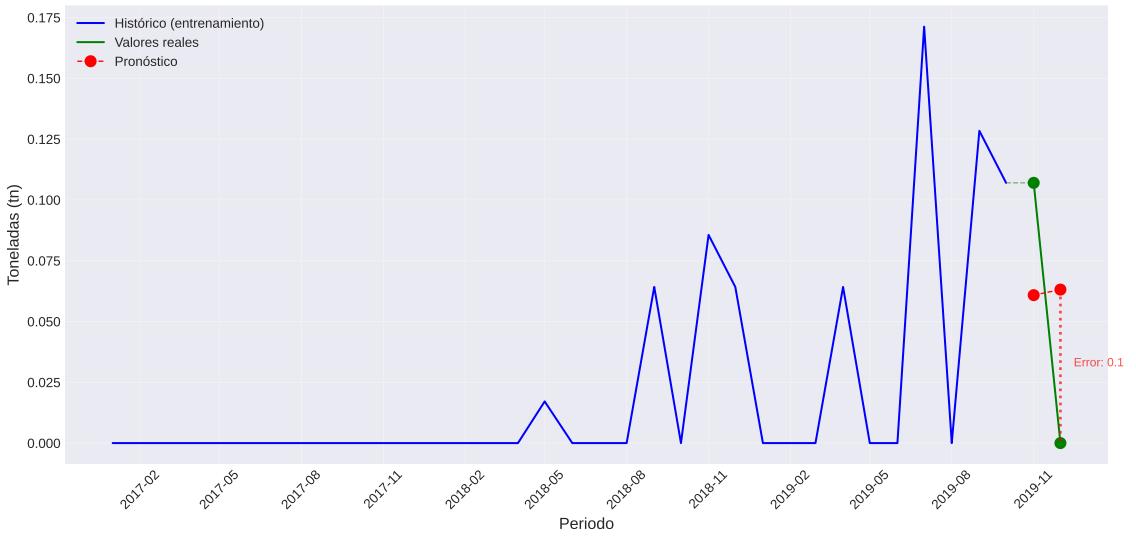


Producto: 20344 - Cliente: 10151 Histórico (entrenamiento) 0.05 Valores reales - Pronóstico 0.04 Toneladas (tn) 0.01 0.00 Periodo

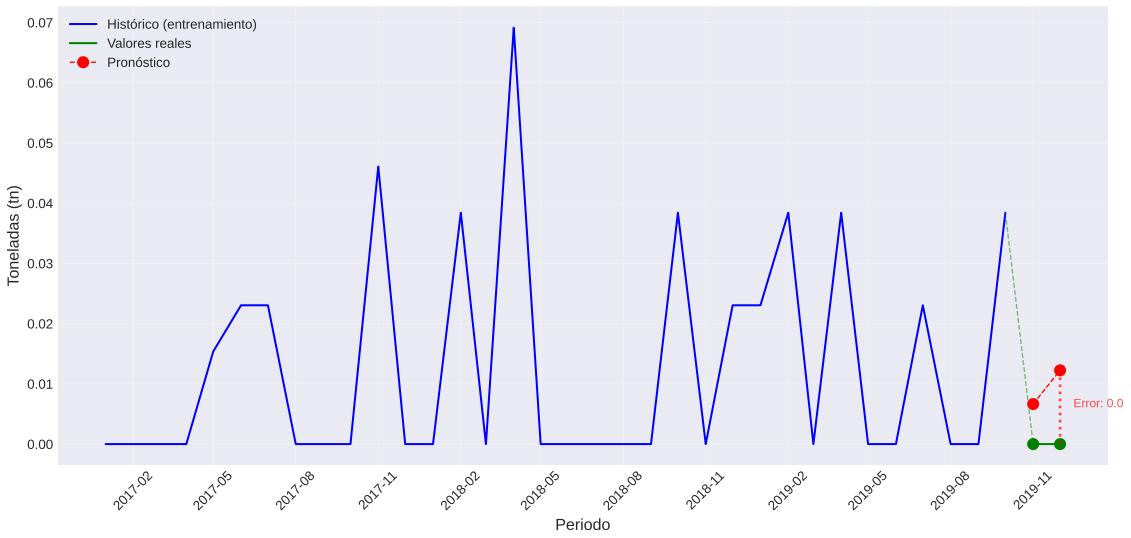
Producto: 20168 - Cliente: 10242



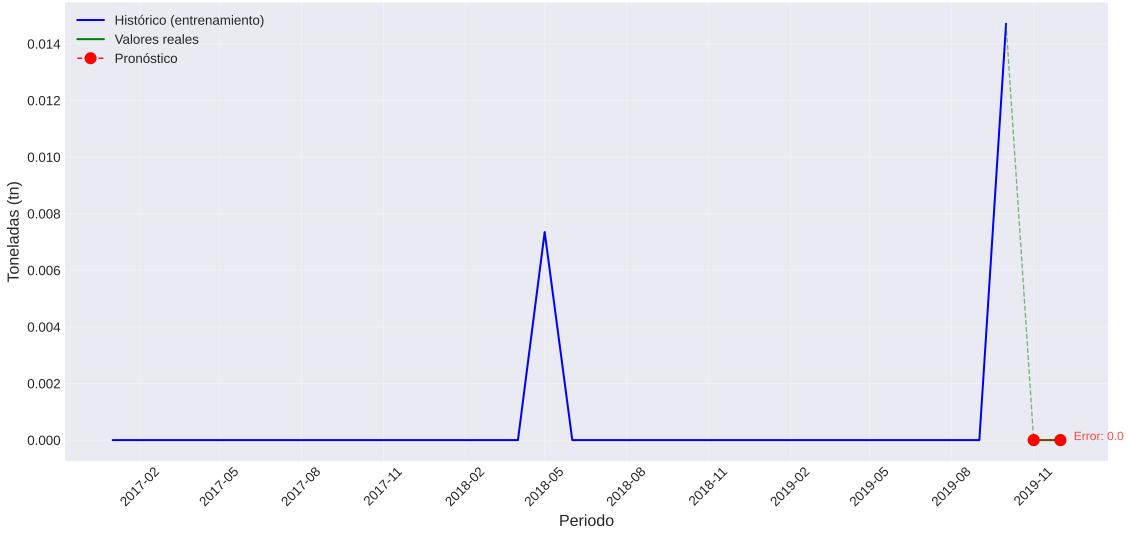
Producto: 20368 - Cliente: 10084



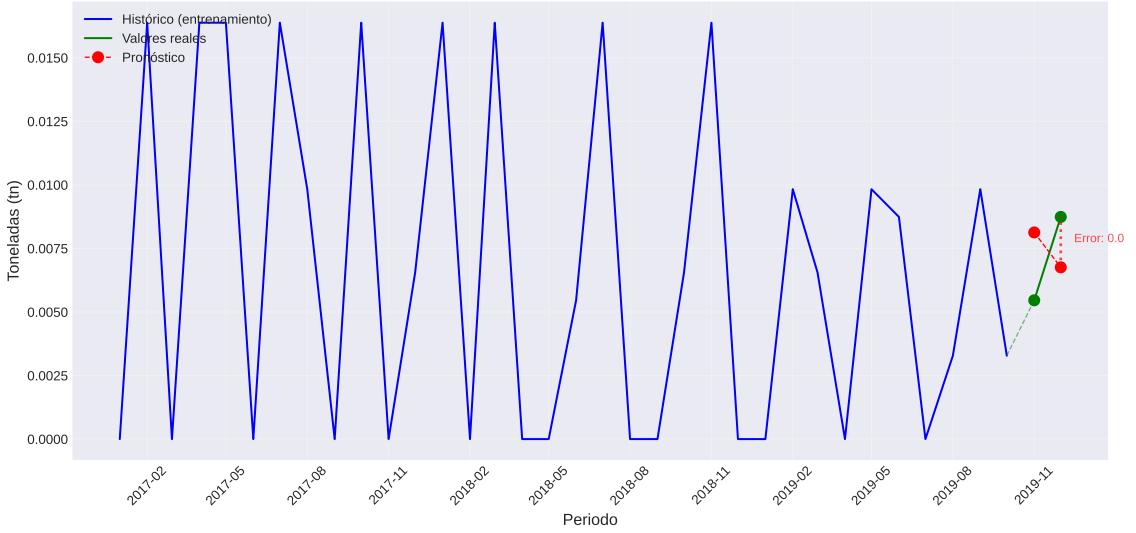
Producto: 20538 - Cliente: 10010



Producto: 20226 - Cliente: 10344



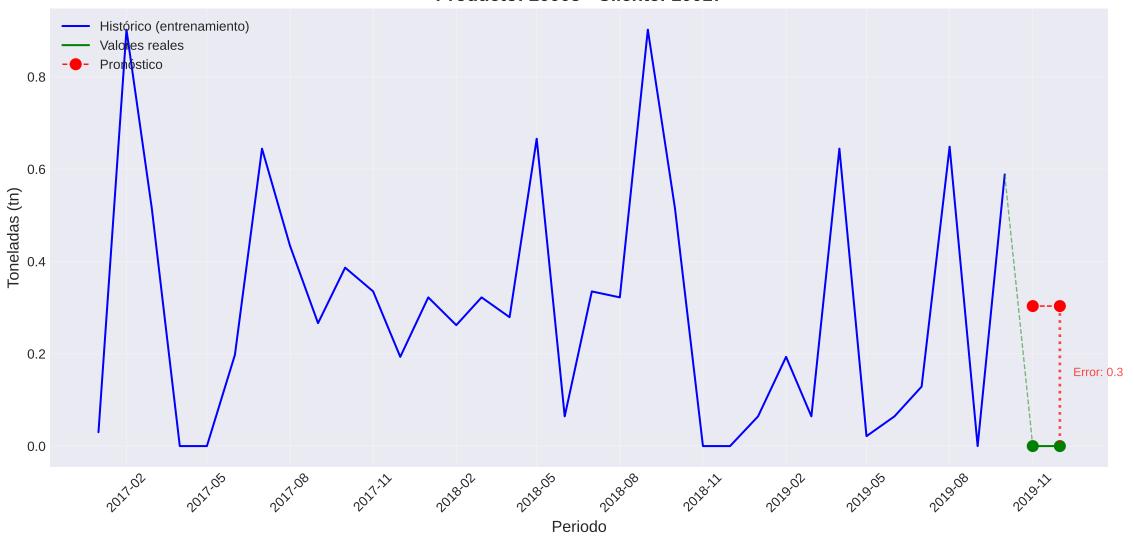
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Producto: 20920 - Cliente: 10478 0.0010 Histórico (entrenamiento) Valores reales - Pronóstico 0.0008 Toneladas (tn) 9000'0 4000'0 0.0002 0.0000

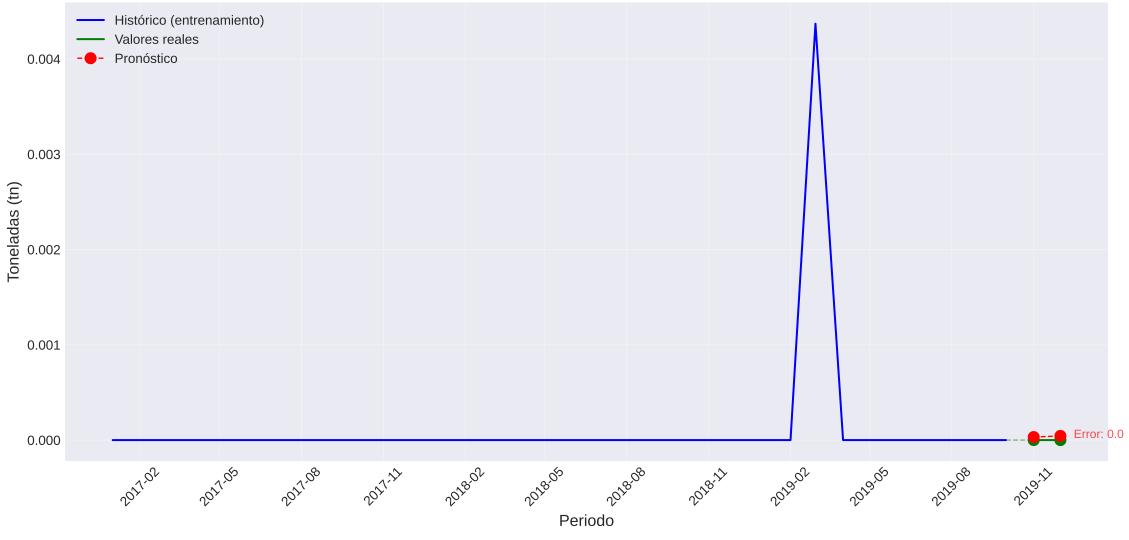
Periodo

Producto: 20005 - Cliente: 10017

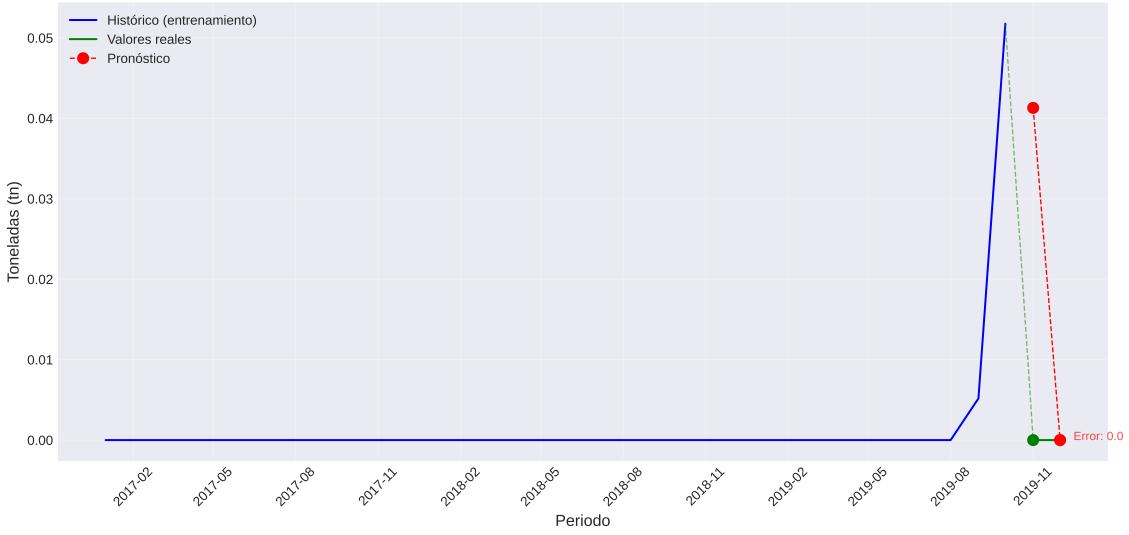


Producto: 20741 - Cliente: 10093 Histórico (entrenamiento) Valores reales - Pronóstico 0.10 0.08 Toneladas (tn) 0.04 0.02 Error: 0.0 0.00 Periodo

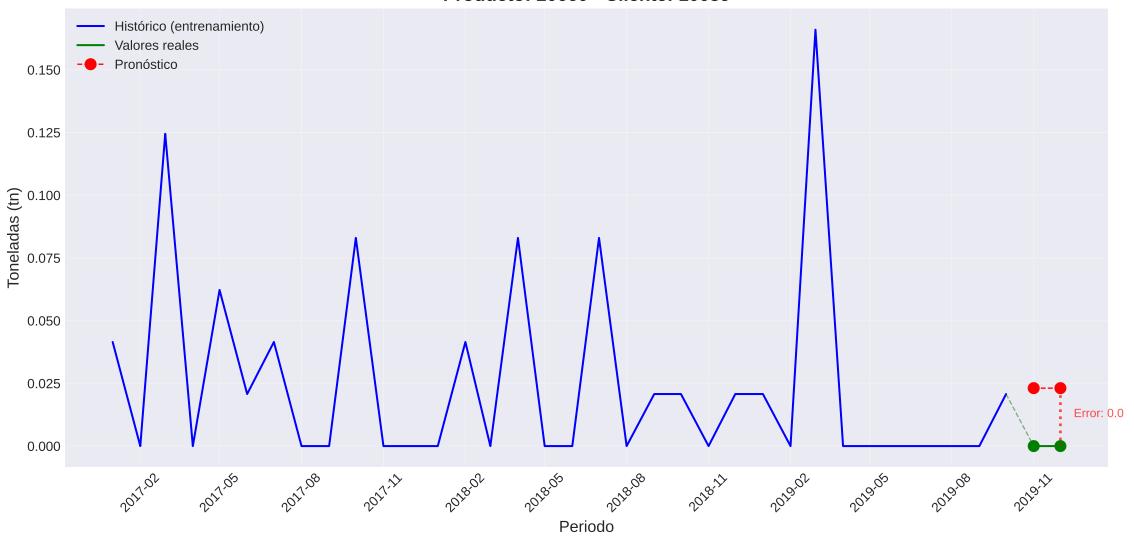
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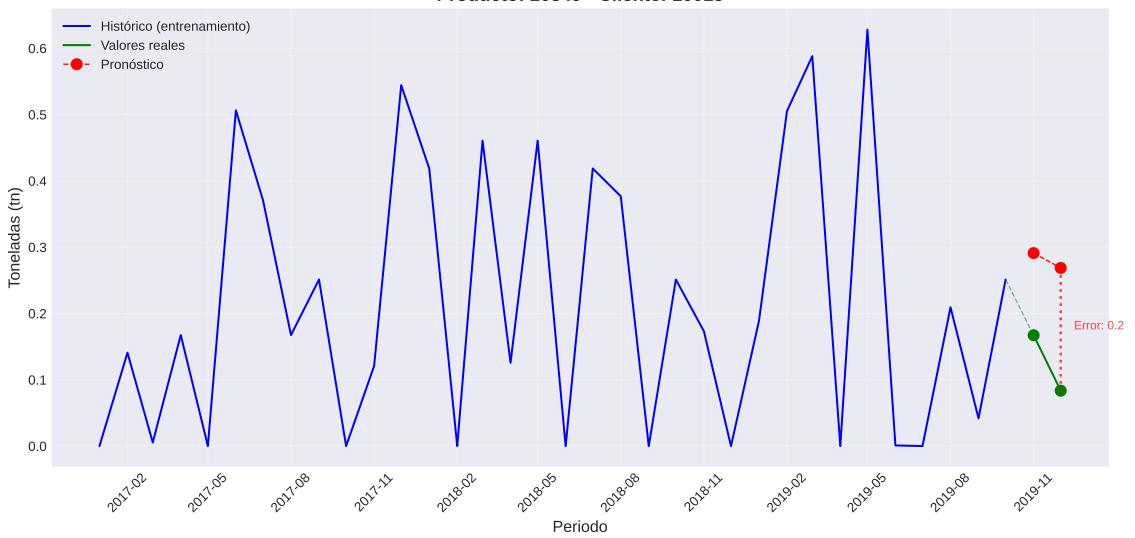
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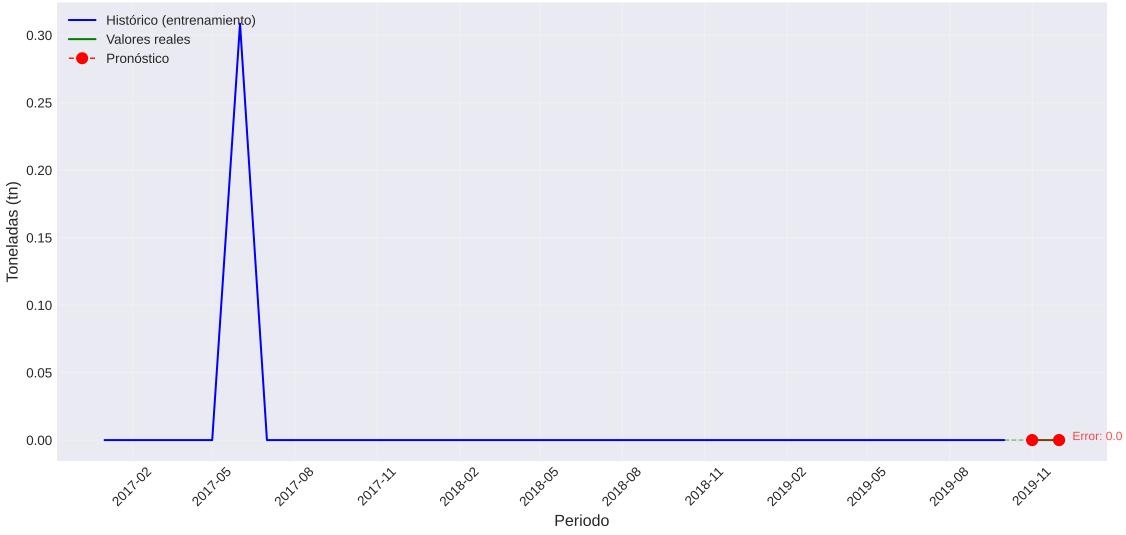
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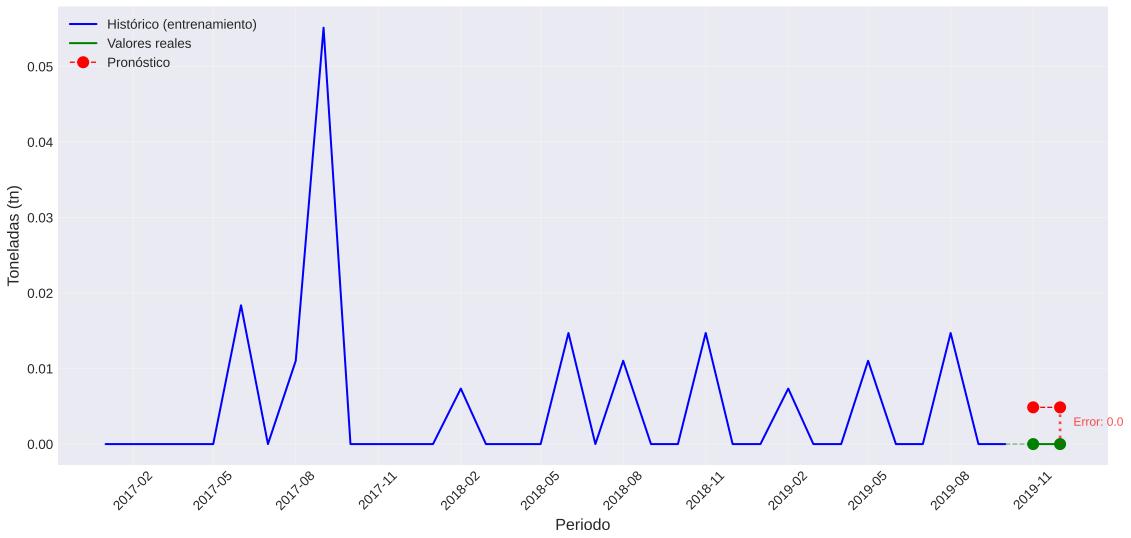
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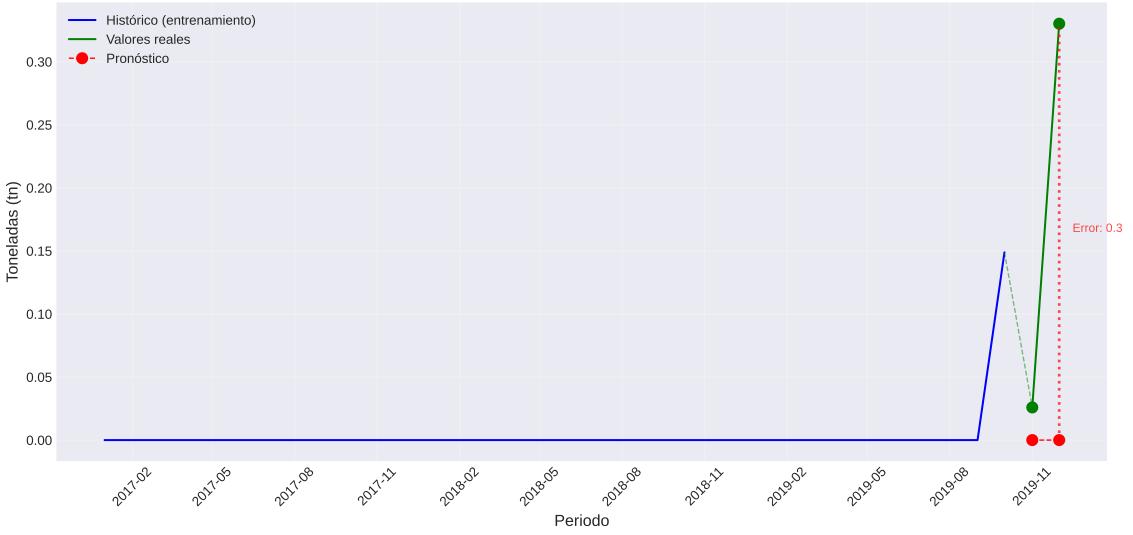
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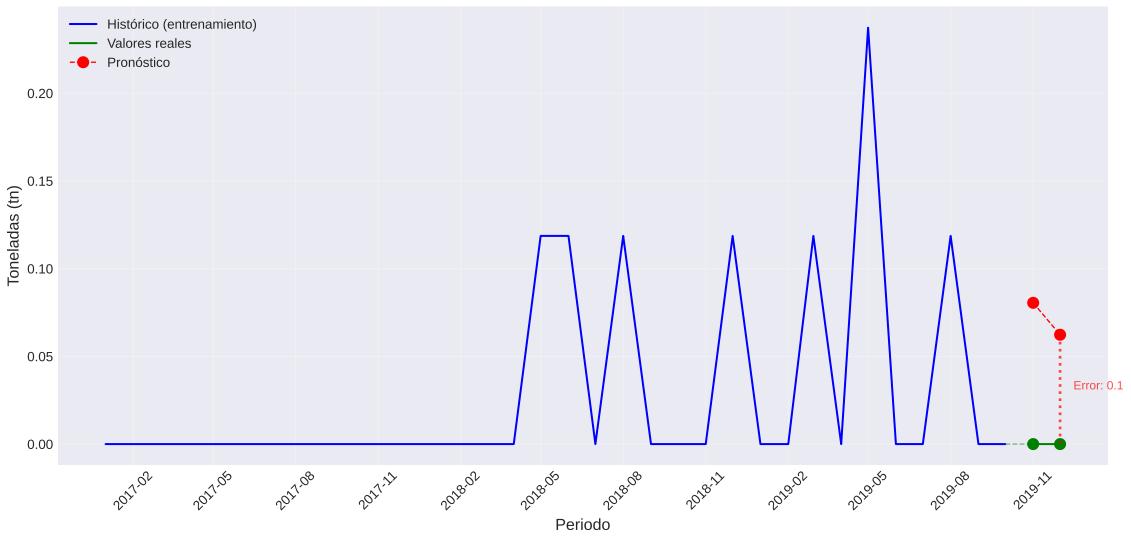
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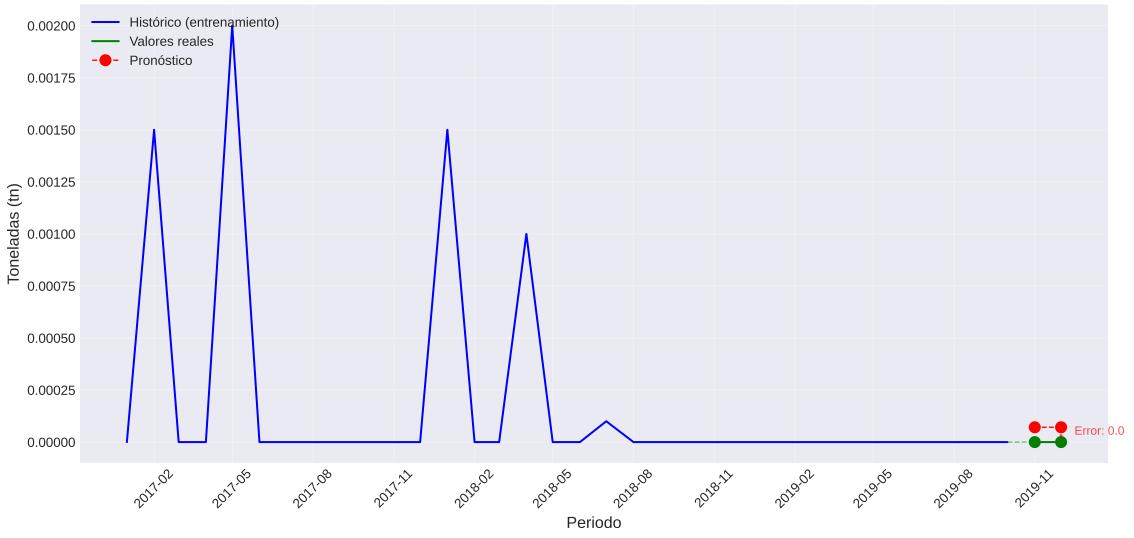
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Producto: 20162 - Cliente: 10258

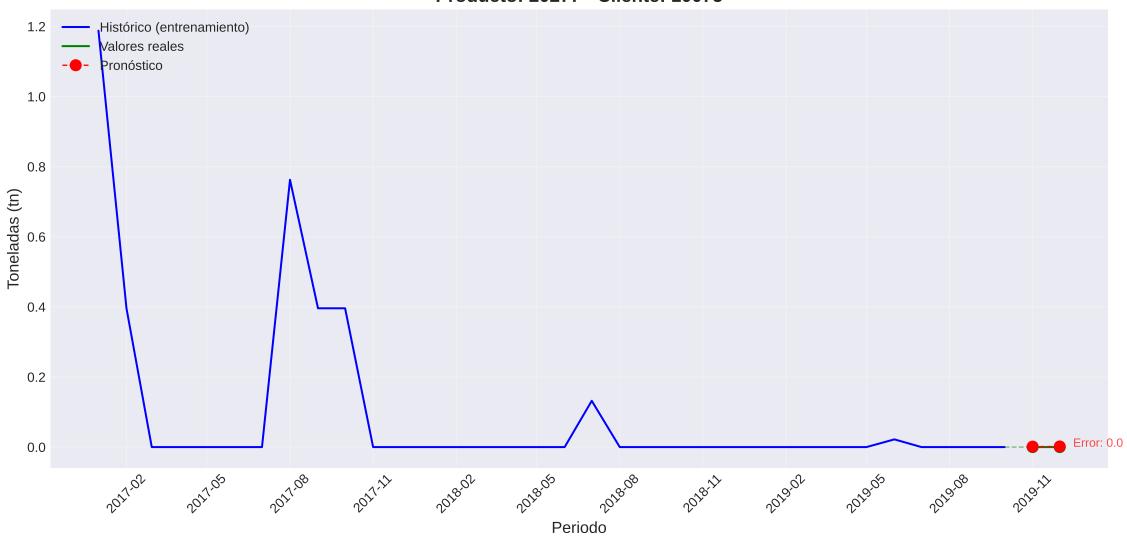


Producto: 21131 - Cliente: 10121

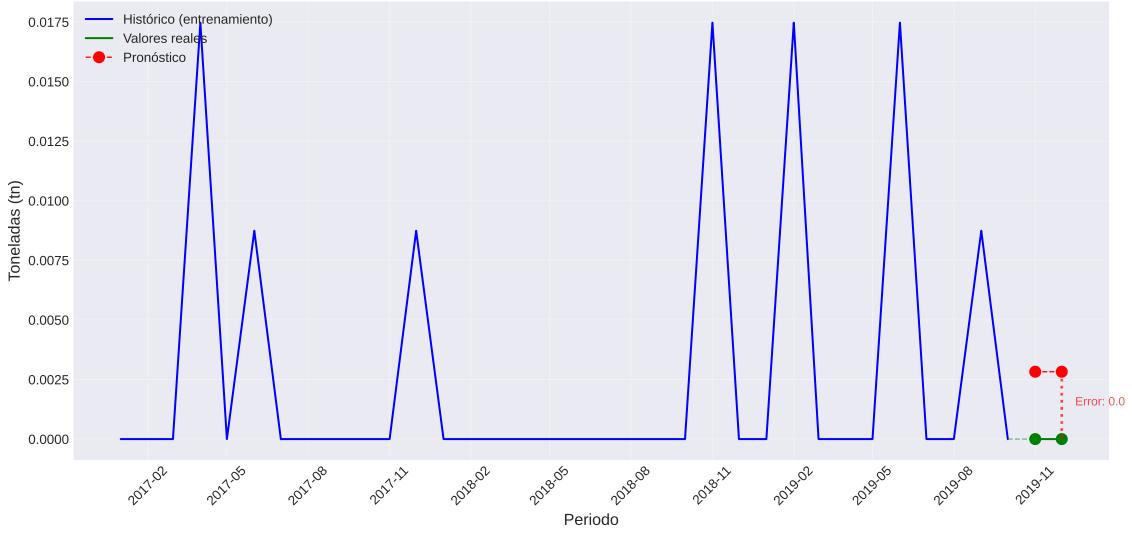


Producto: 20744 - Cliente: 10120 Histórico (entrenamiento) Valores reales 0.04 - Pronóstico 0.03 Toneladas (tn) 0.01 Error: 0.0 0.00 Periodo

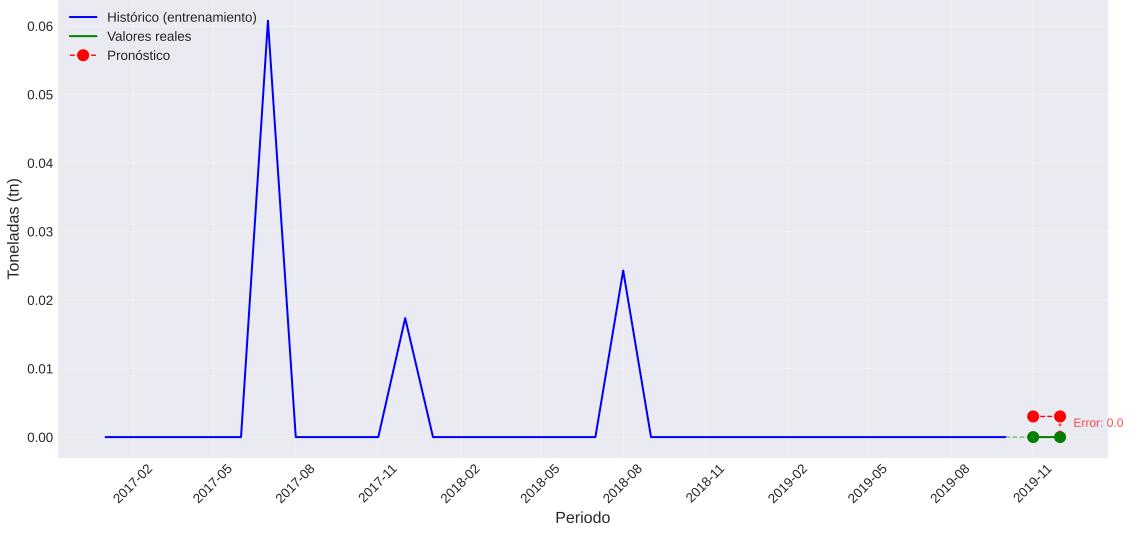
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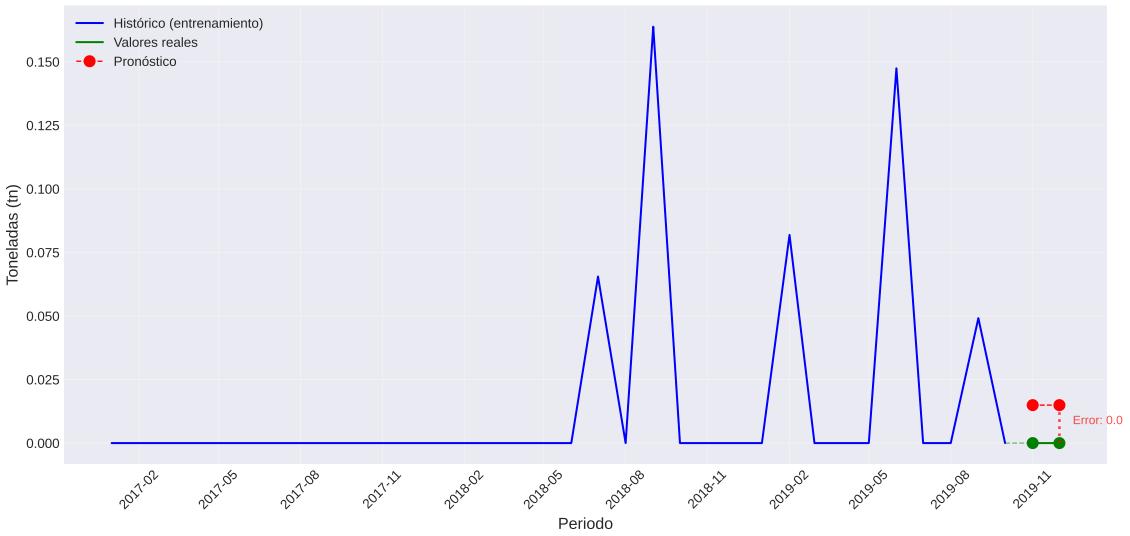
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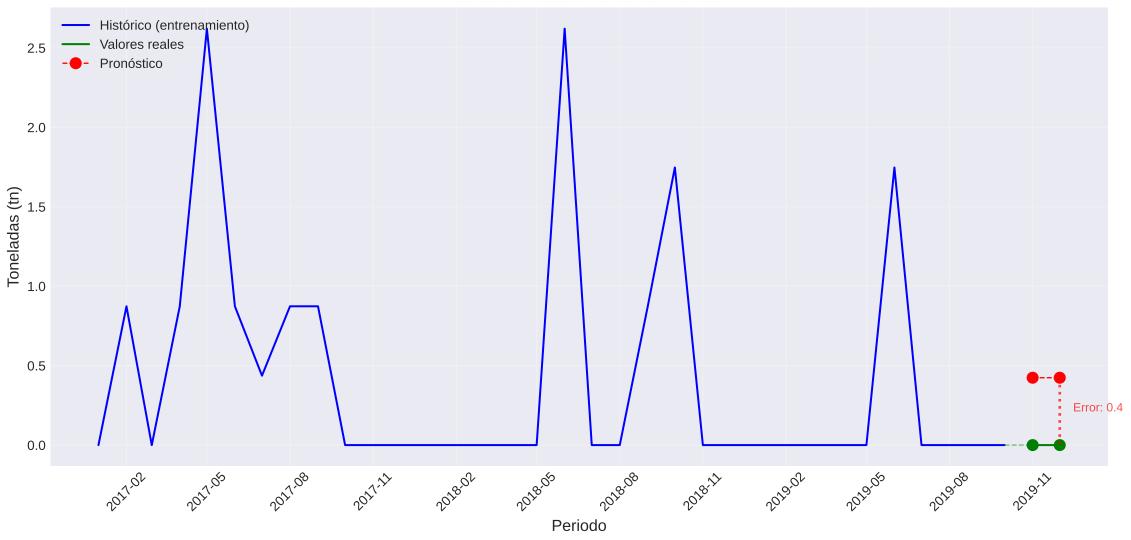
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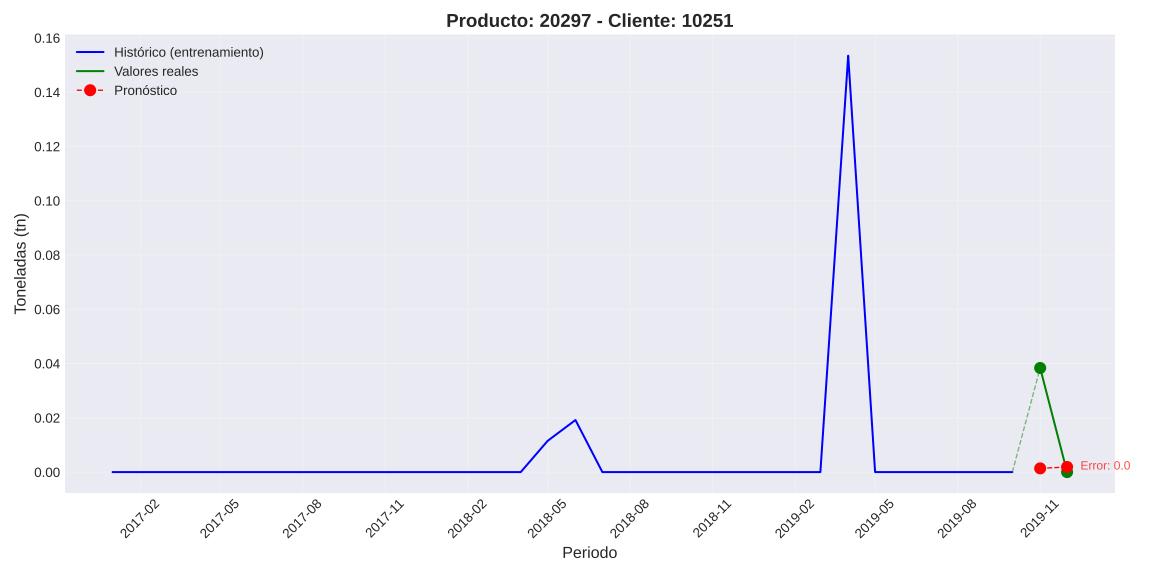


Producto: 20313 - Cliente: 10496



Producto: 20066 - Cliente: 10096

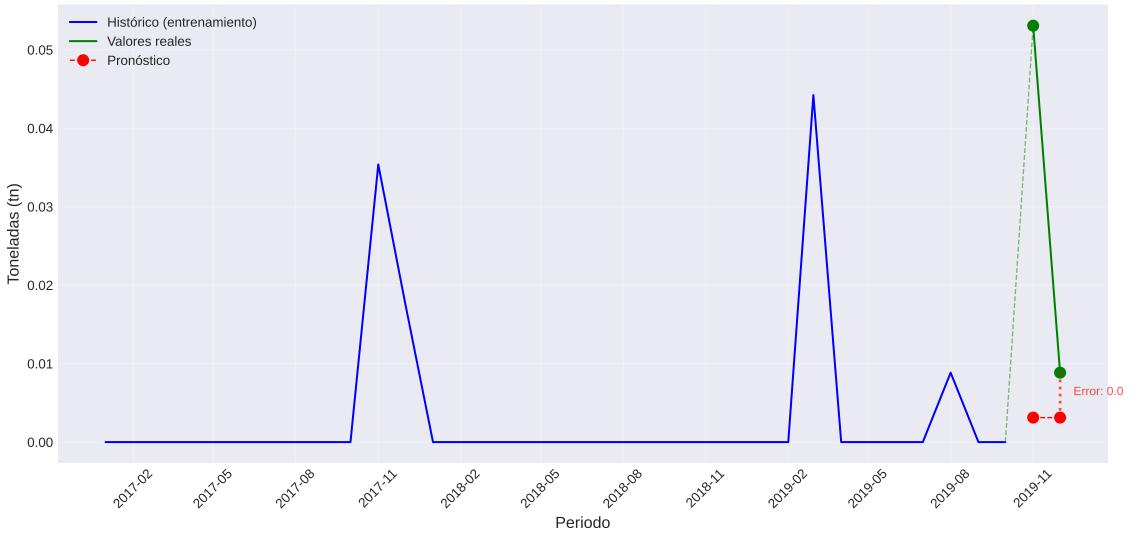




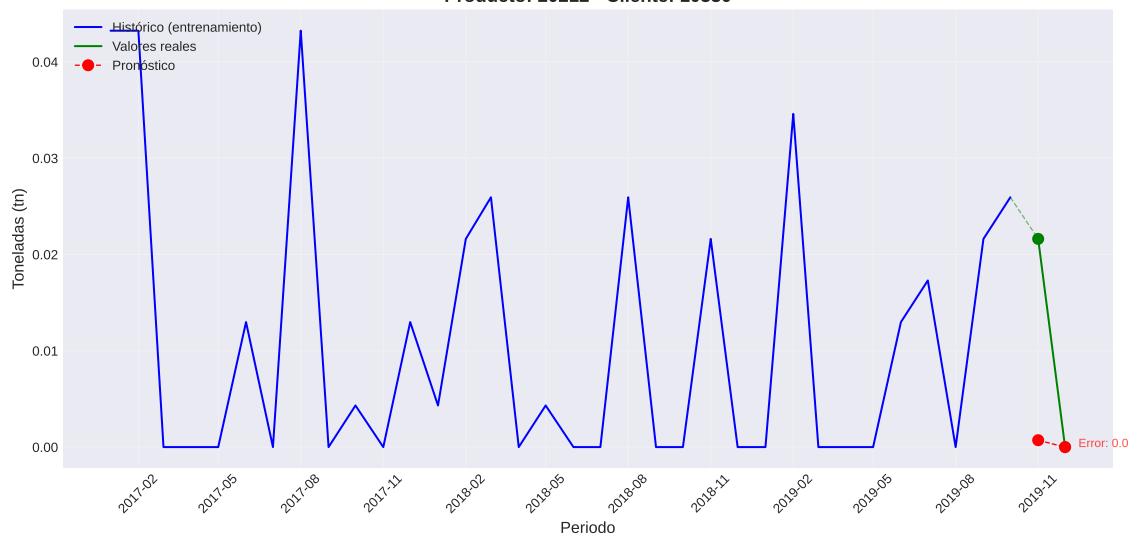
Producto: 20878 - Cliente: 10068 Histórico (entrenamiento) Valores reales - Pronóstico 0.012 0.010 Toneladas (tn) 0.004 0.002 Error: 0.0 0.000 Periodo

Producto: 20283 - Cliente: 10435 0.012 Histórico (entrenamiento) Valores reales - Pronóstico 0.010 0.008 Toneladas (tn) 0.006 0.004 0.002 Error: 0.0 0.000 Periodo

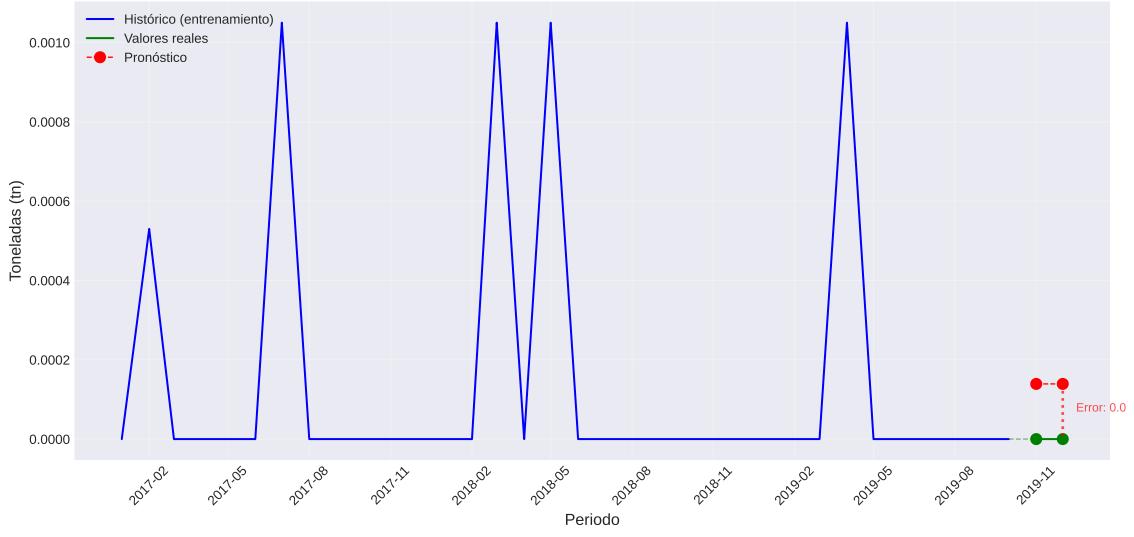
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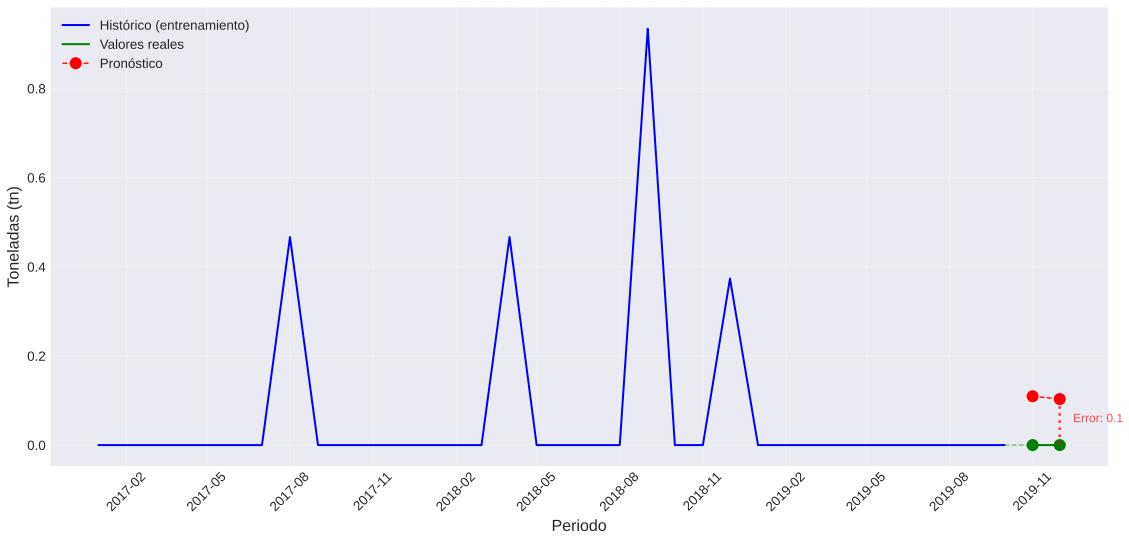
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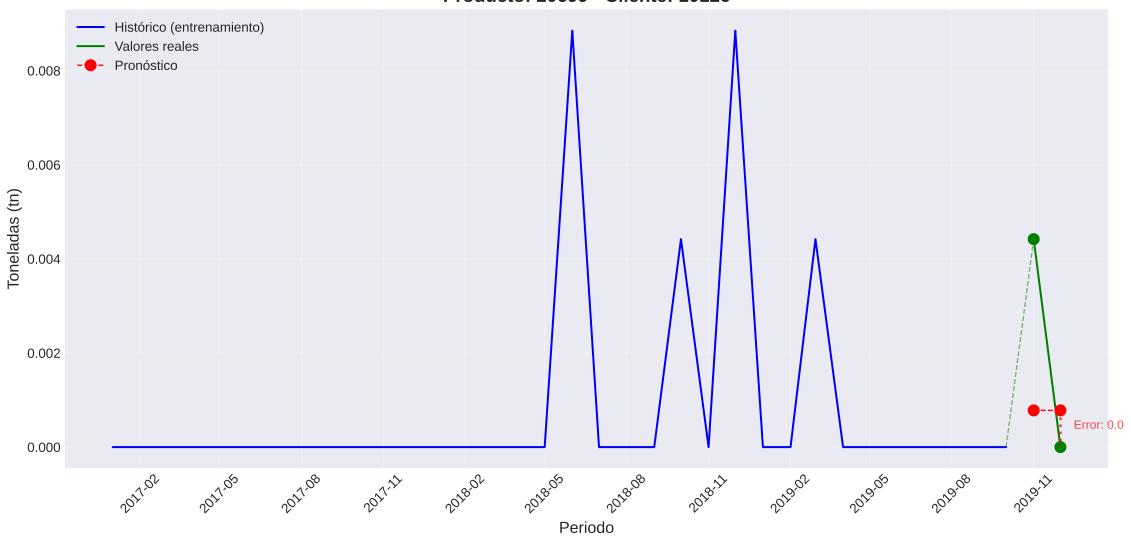
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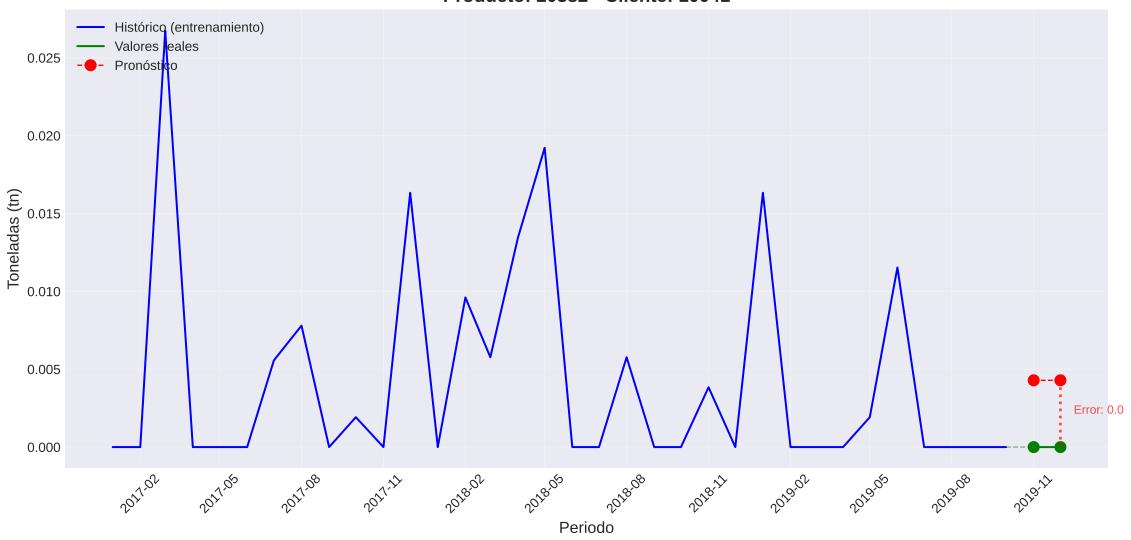
Producto: 20027 - Cliente: 10207



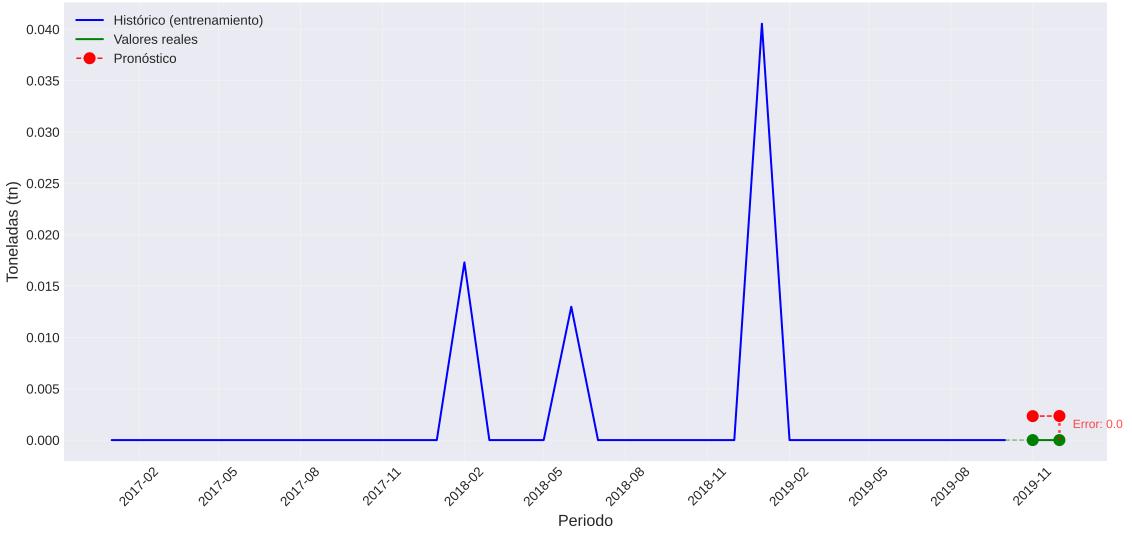
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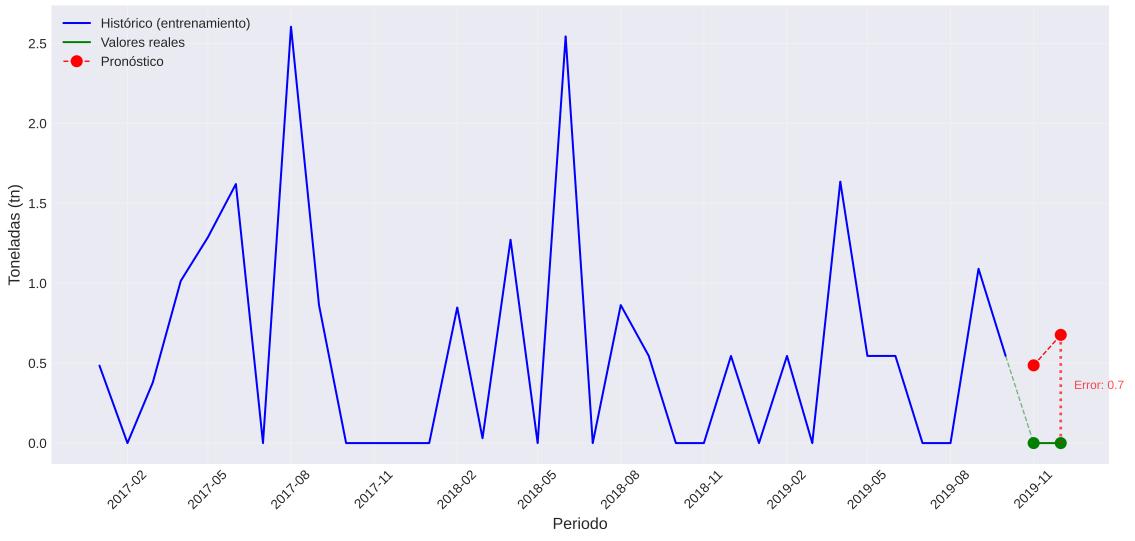
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Producto: 20469 - Cliente: 10300



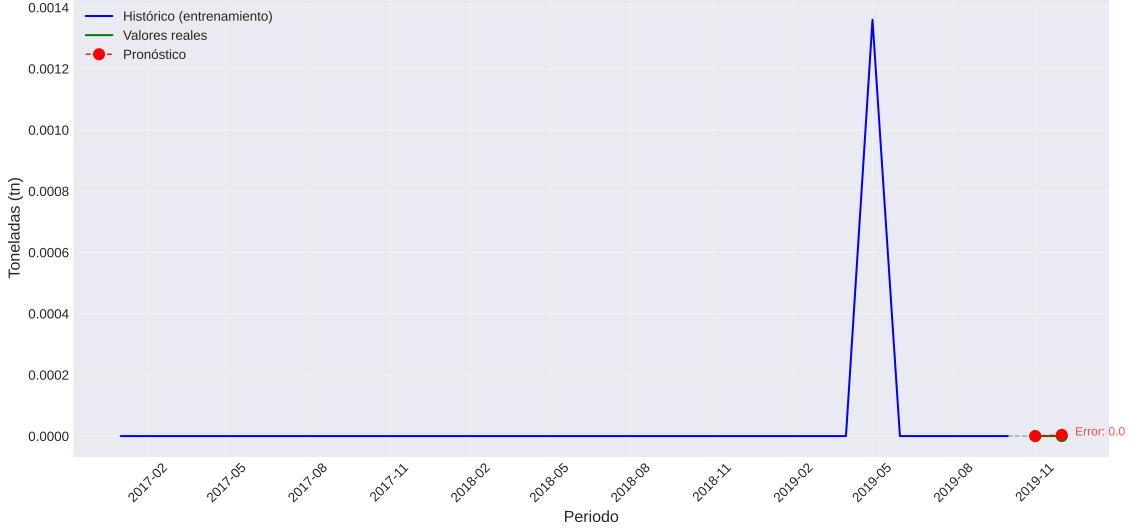
Producto: 20086 - Cliente: 10172



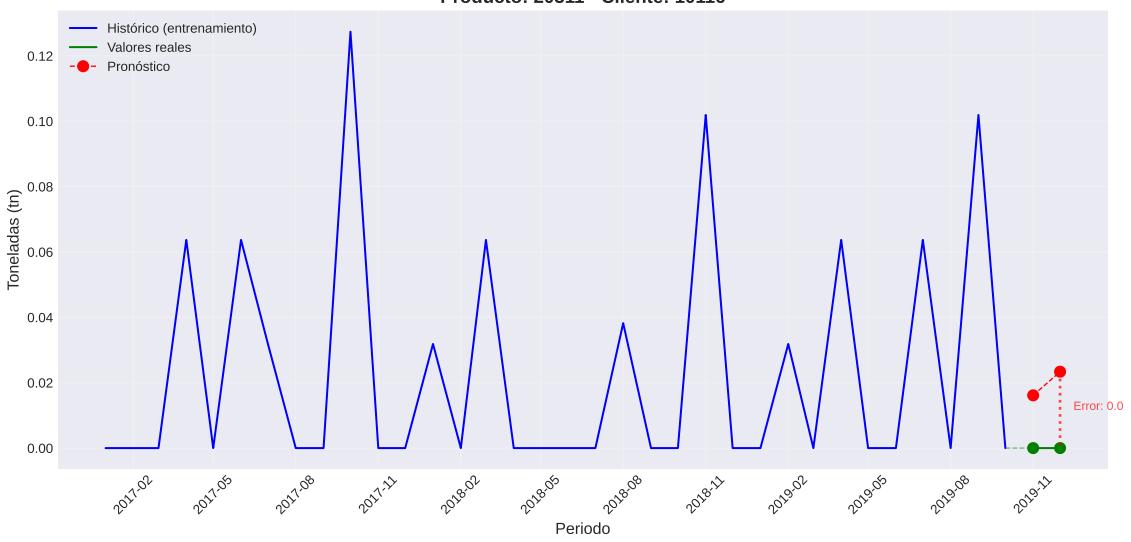
Producto: 21184 - Cliente: 10190 Histórico (entrenamiento) Valores reales 0.0025 - Pronóstico 0.0020 Toneladas (tn) 0.0015 0.0005 Error: 0.0 0.0000

Periodo

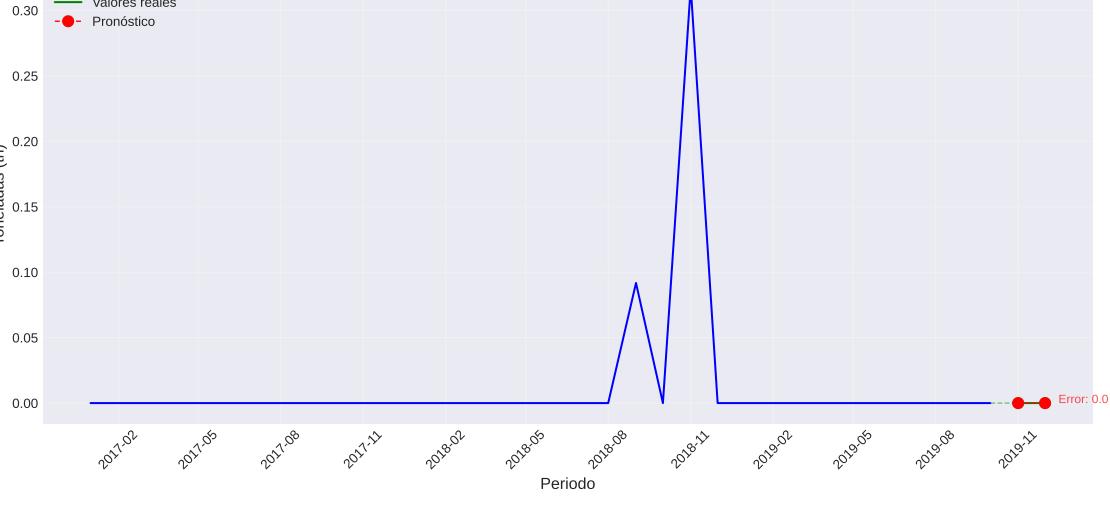
Producto: 21033 - Cliente: 10234



Producto: 20311 - Cliente: 10116



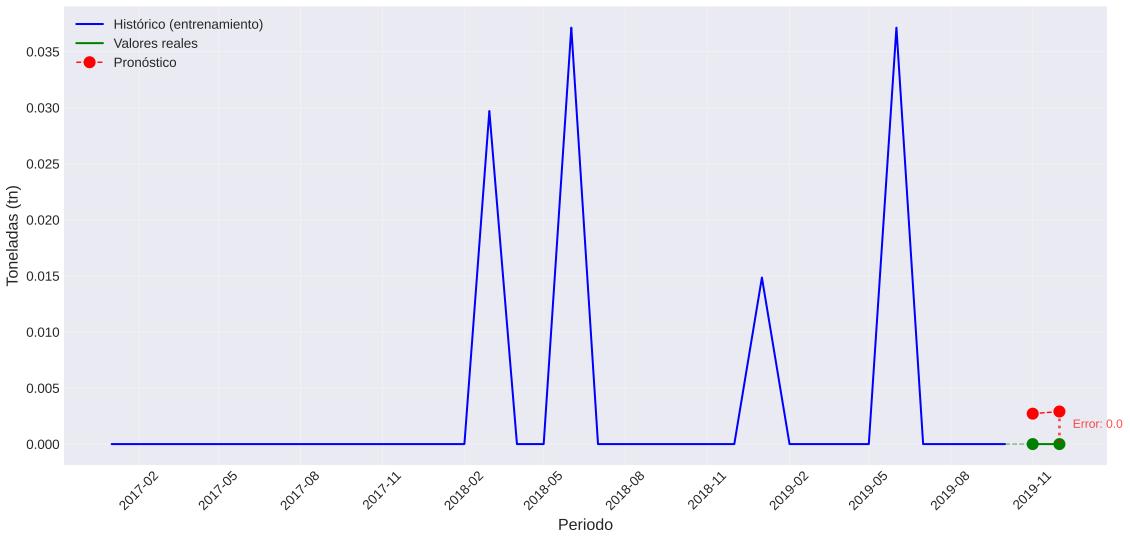
Producto: 20053 - Cliente: 10561 Histórico (entrenamiento) Valores reales 0.30 Pronóstico 0.25 Toneladas (tn) 0.20 0.15 0.10 0.05



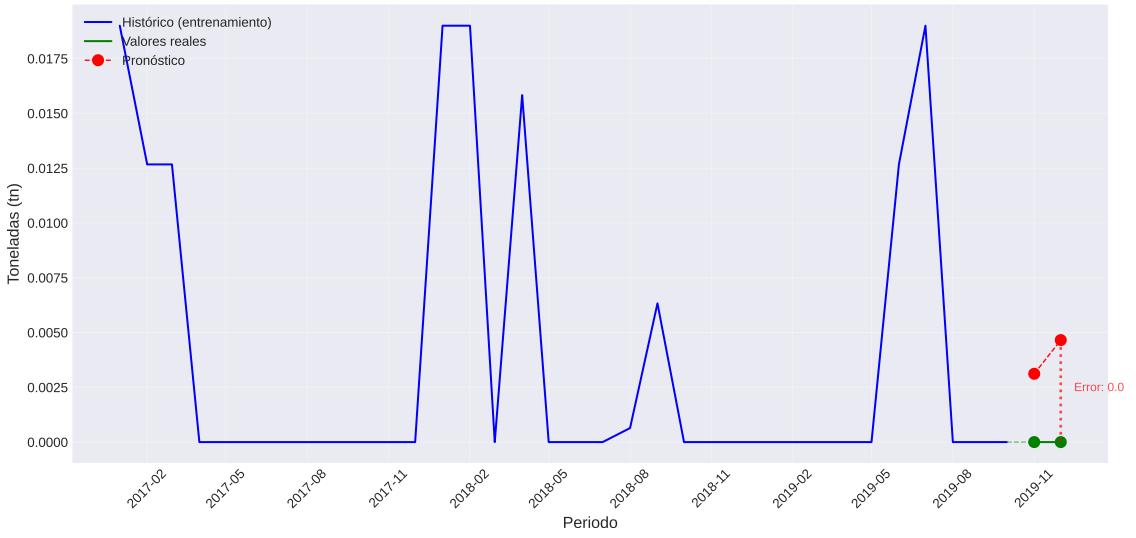
Producto: 20484 - Cliente: 10392 Histórico (entrenamiento) Valores reales 0.012 Pronóstico 0.010 Toneladas (tn) 900.0 9900.0 0.004 0.002 Error: 0.0 0.000

Periodo

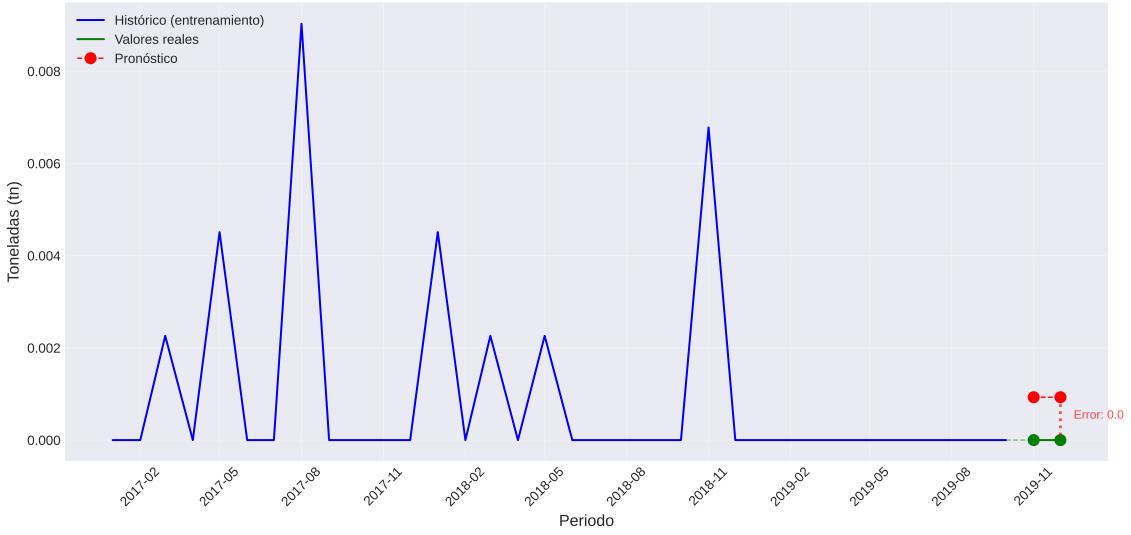
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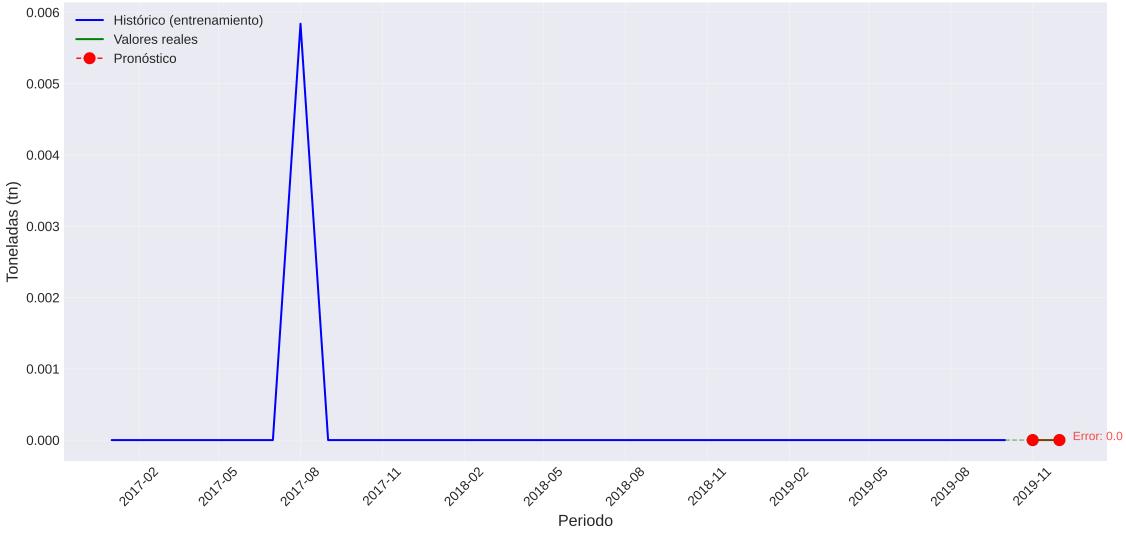
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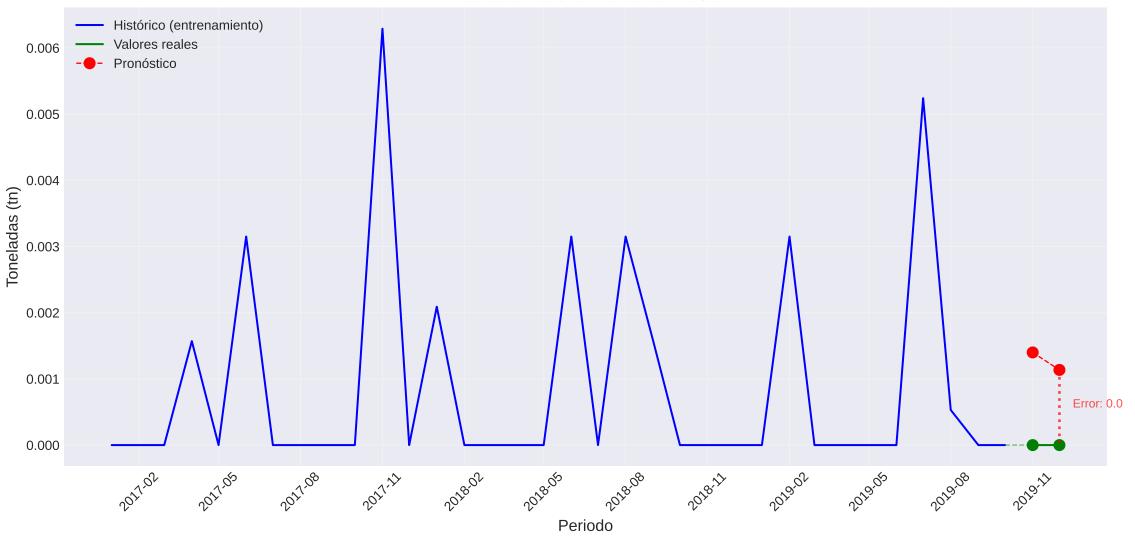
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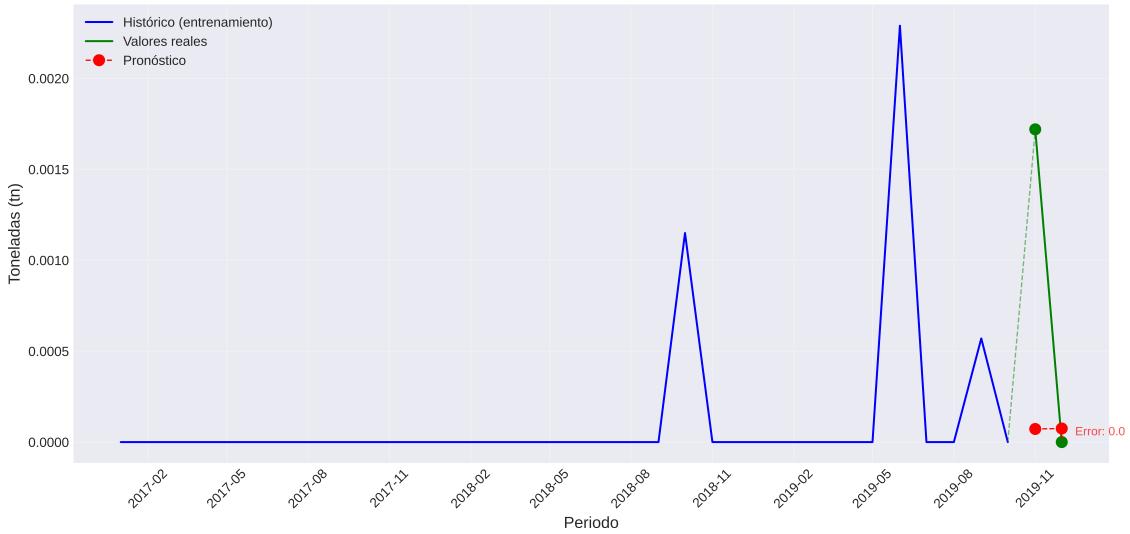
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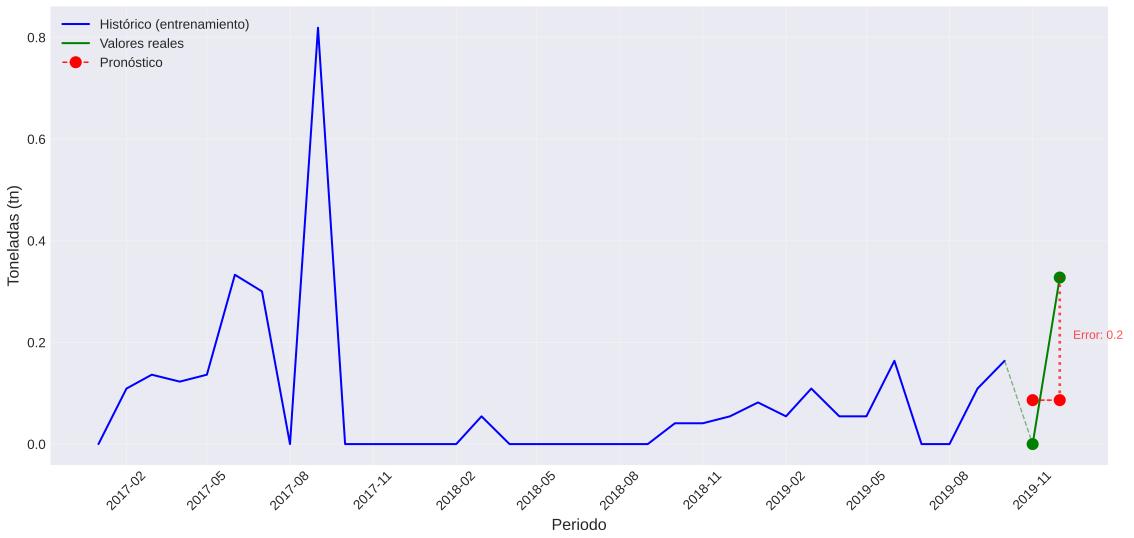
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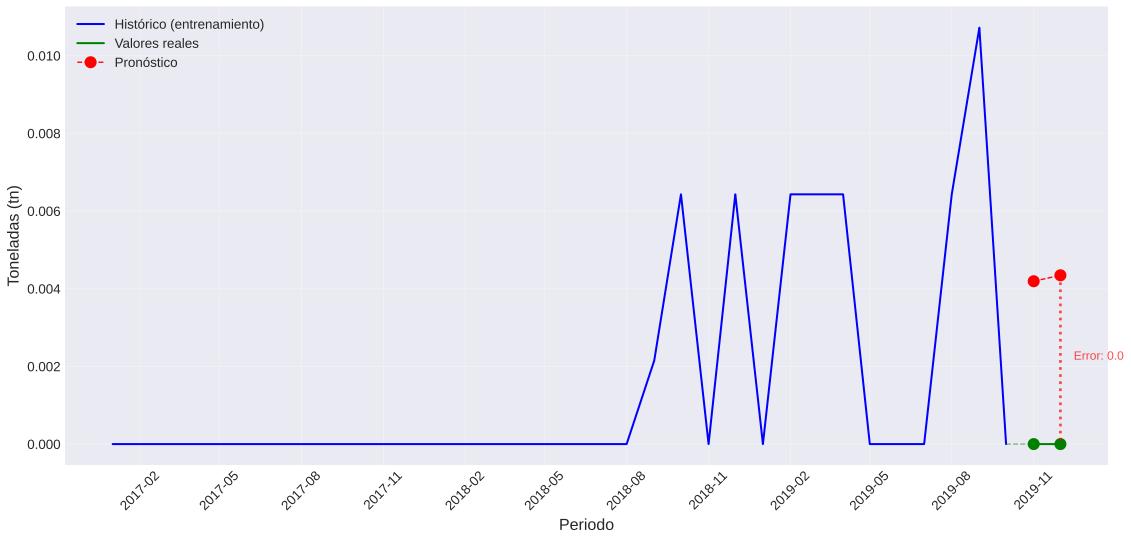
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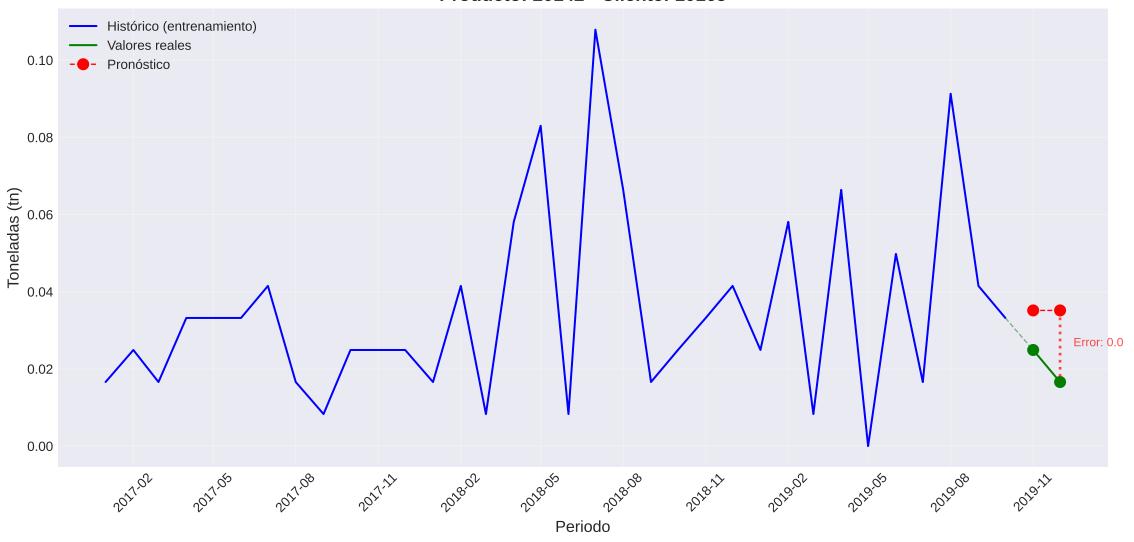
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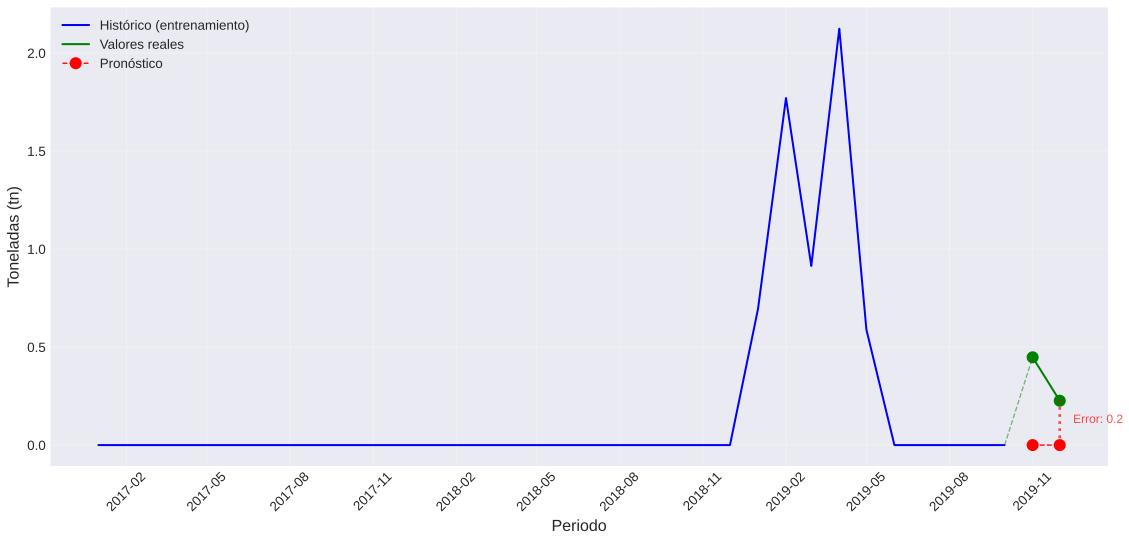
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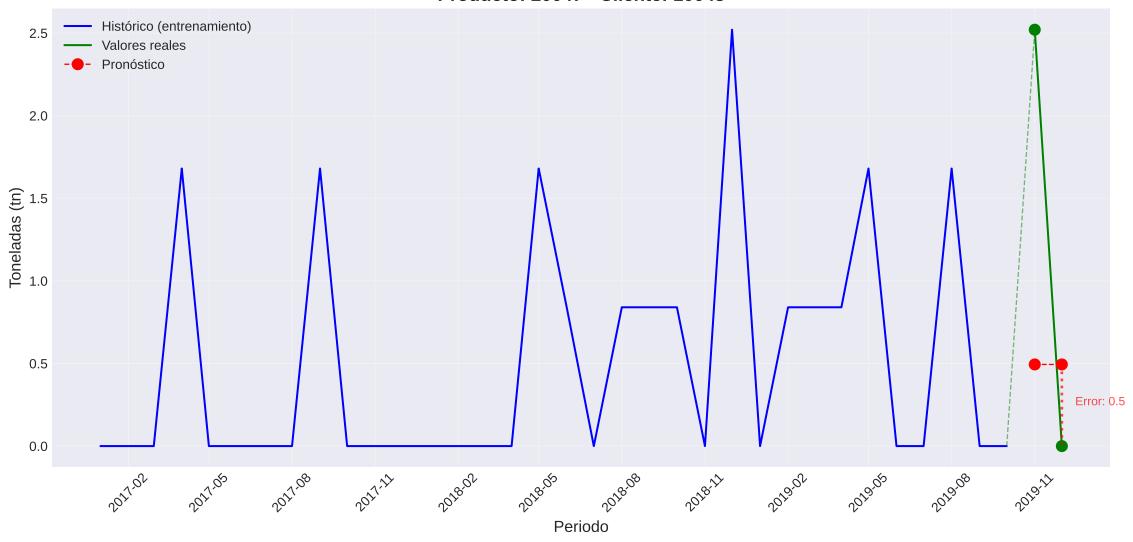
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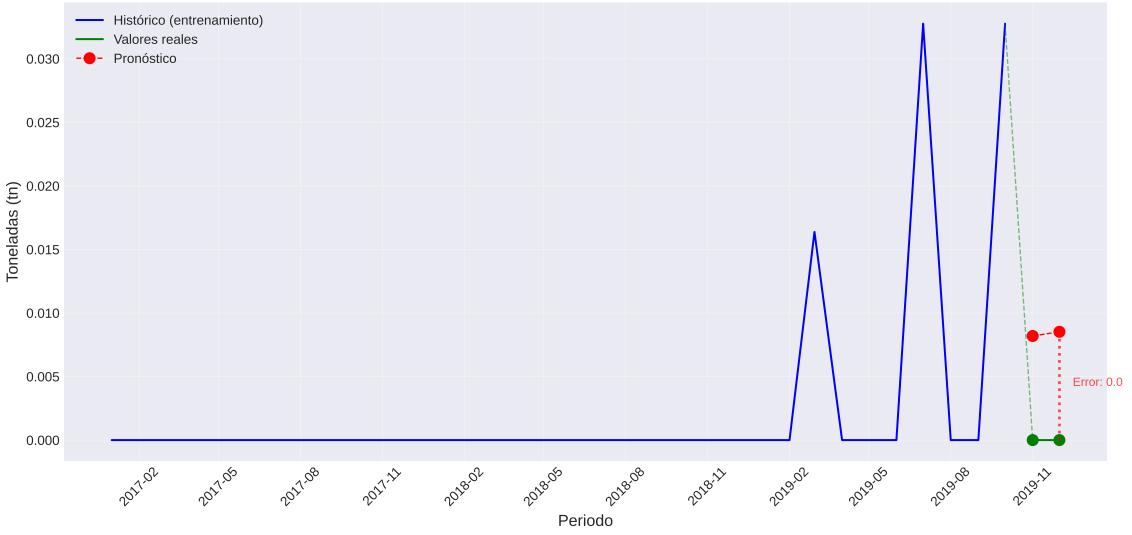
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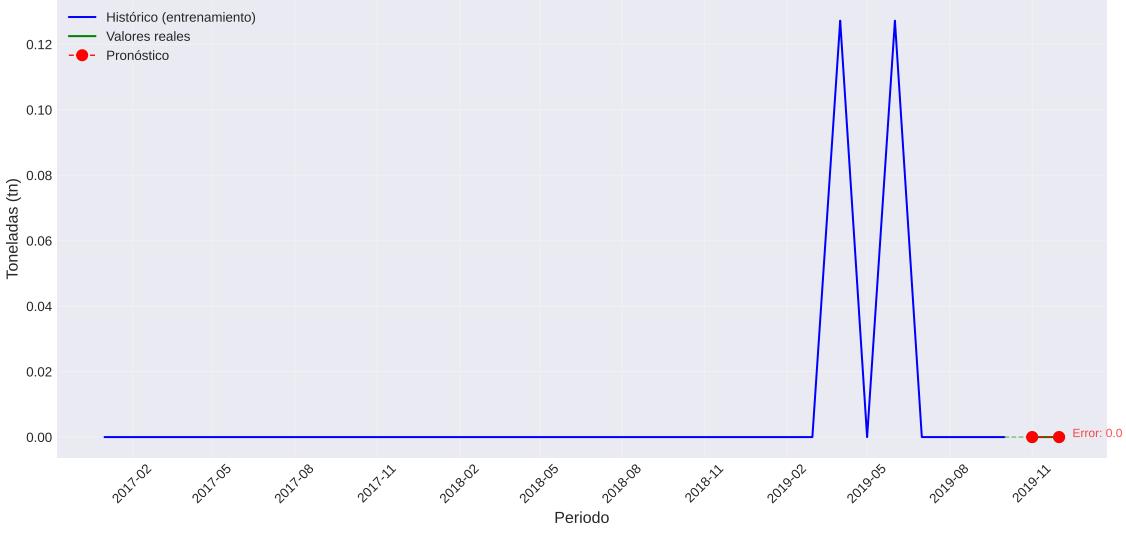
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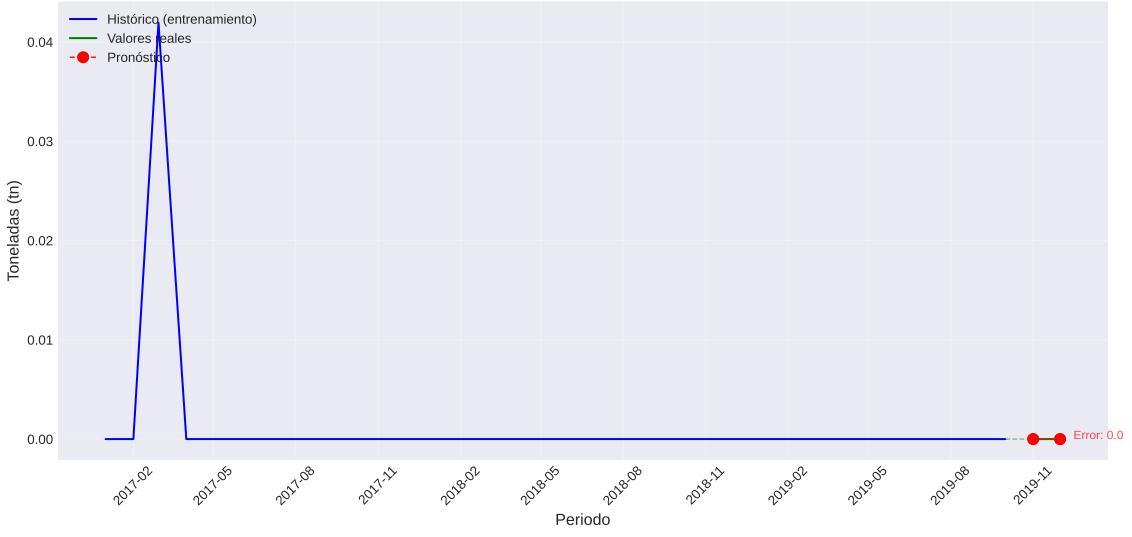
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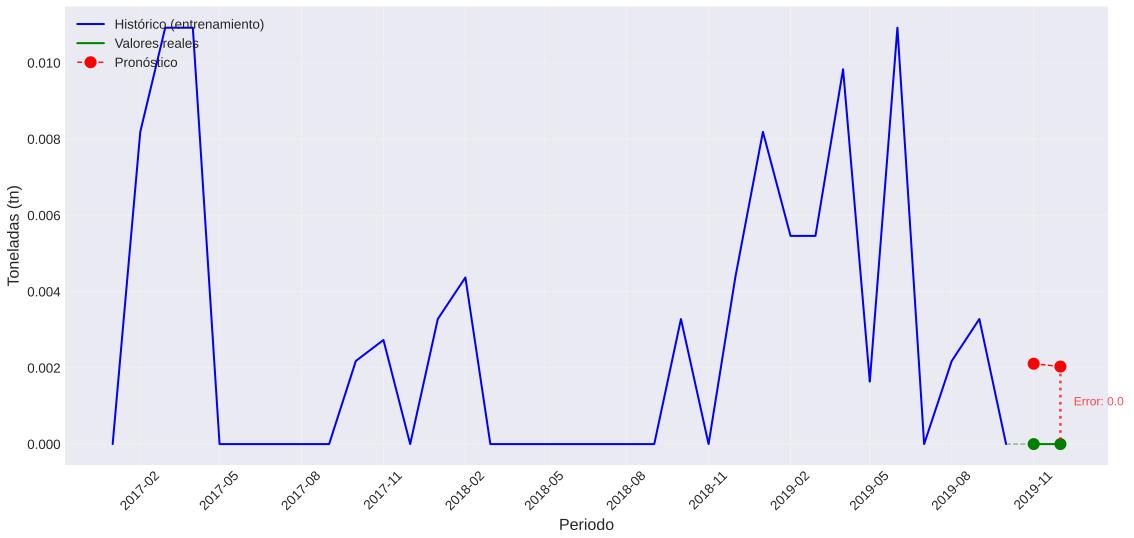
Producto: 20620 - Cliente: 10155



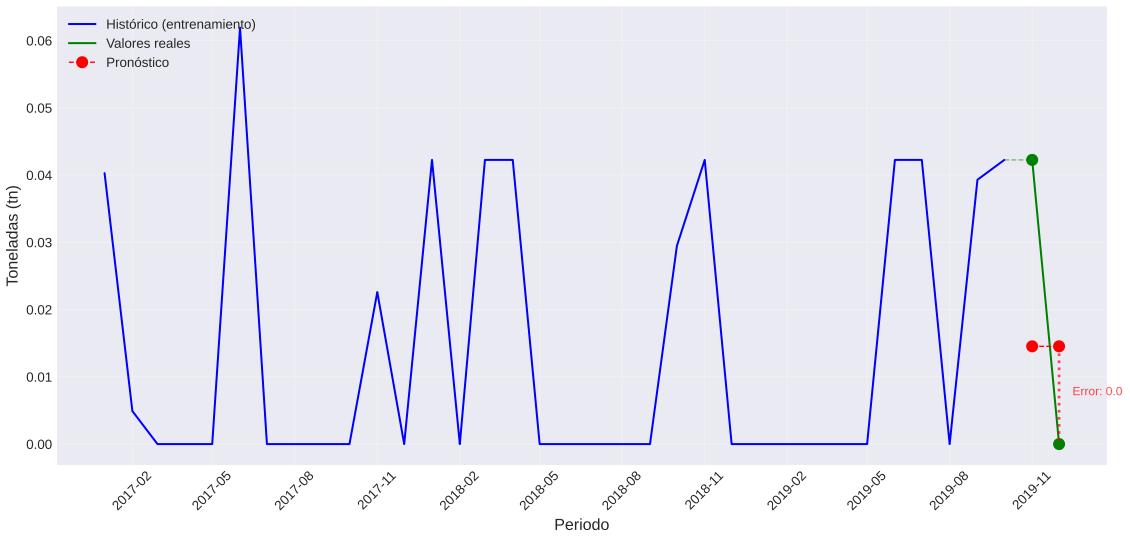
Producto: 20177 - Cliente: 10302



Producto: 20756 - Cliente: 10078

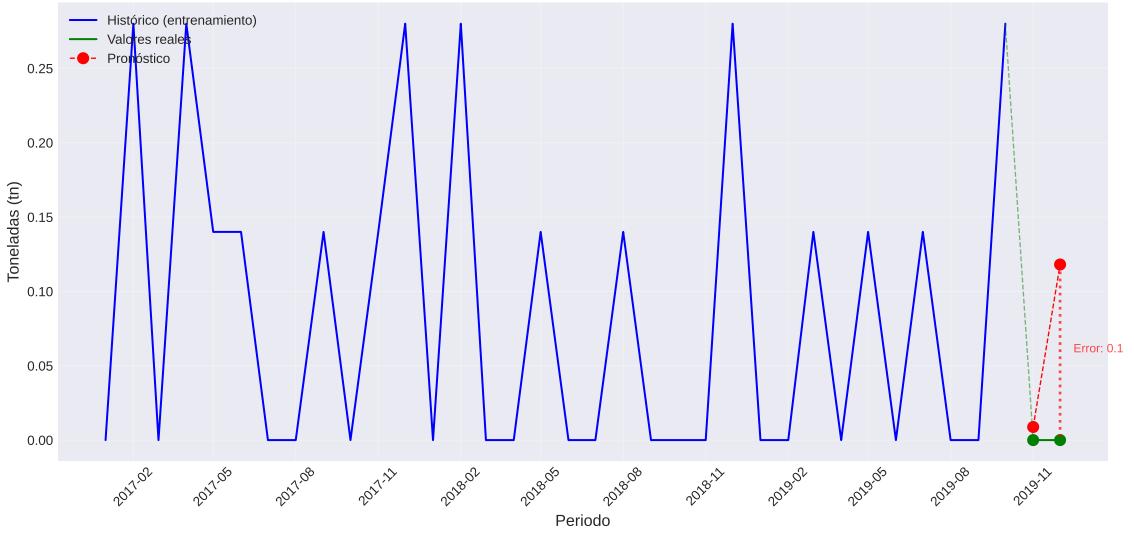


Producto: 20235 - Cliente: 10155

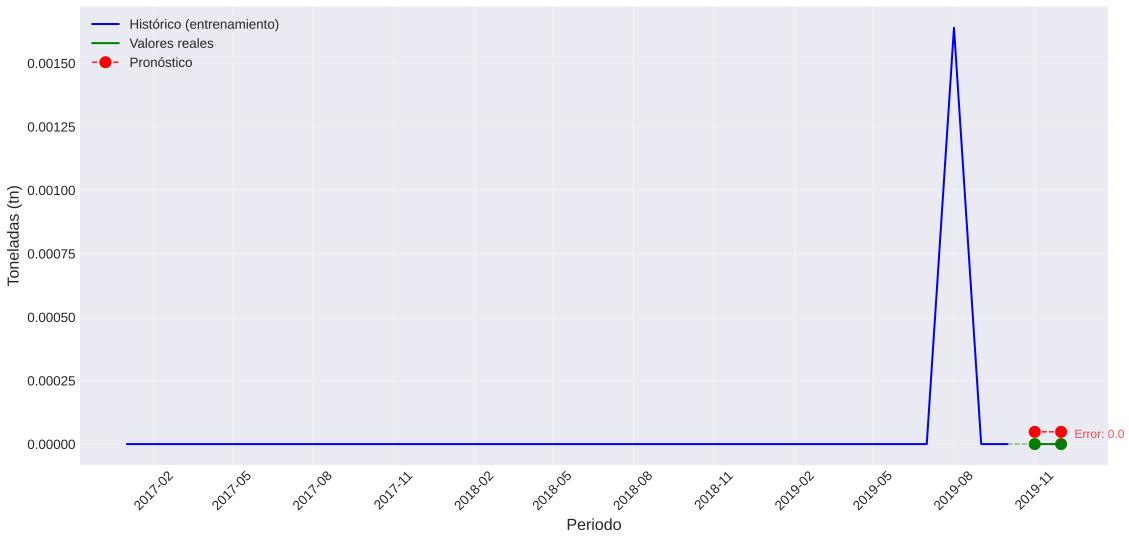


Producto: 21222 - Cliente: 10212 Histórico (entrenamiento) Valores reales 0.0007 - Pronóstico 0.0006 0.0005 Toneladas (tn) 600000 800000 0.0002 0.0001 Error: 0.0 0.0000 Periodo

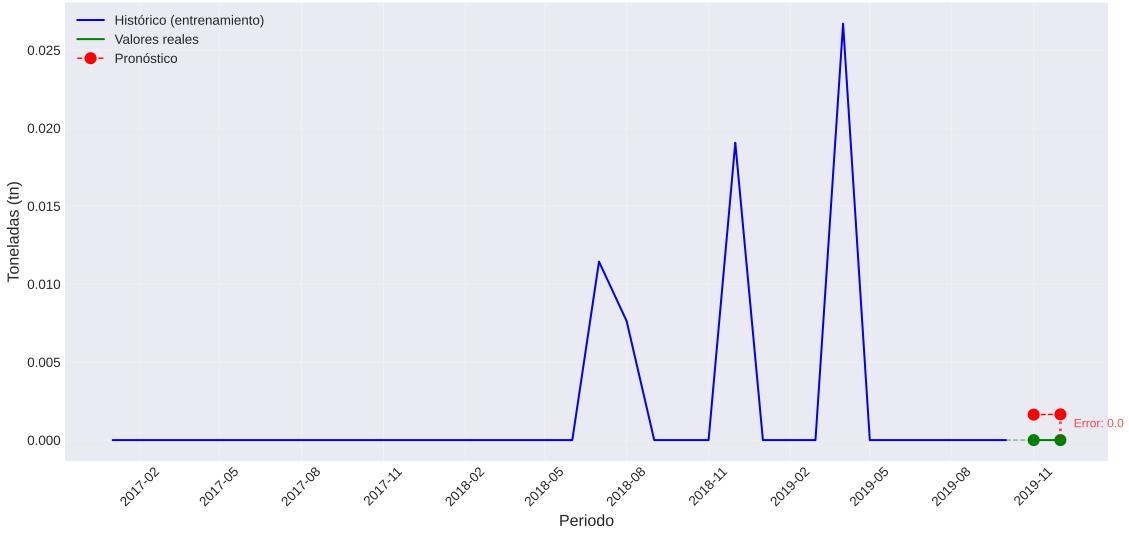
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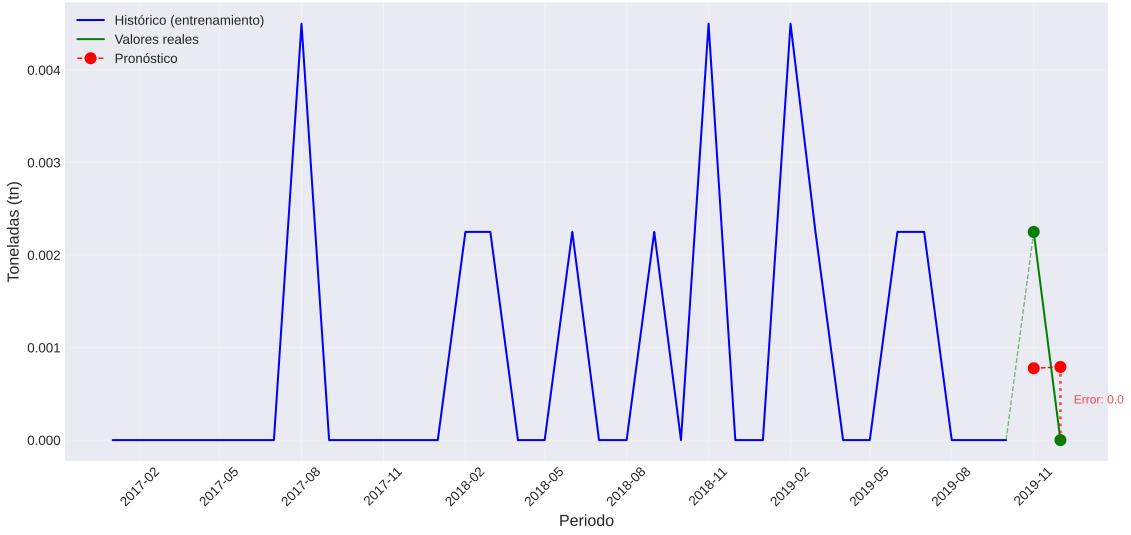
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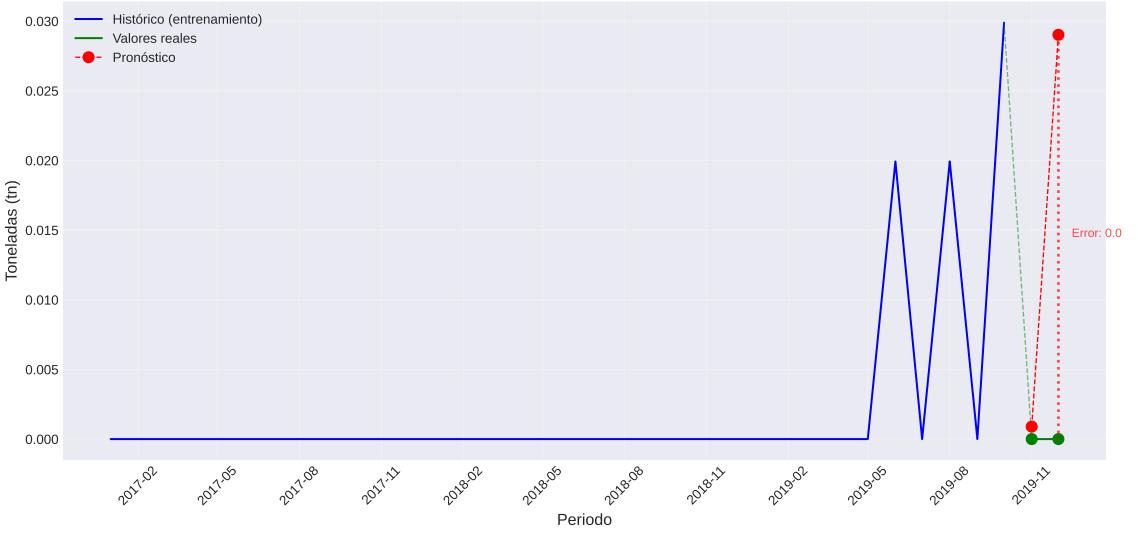
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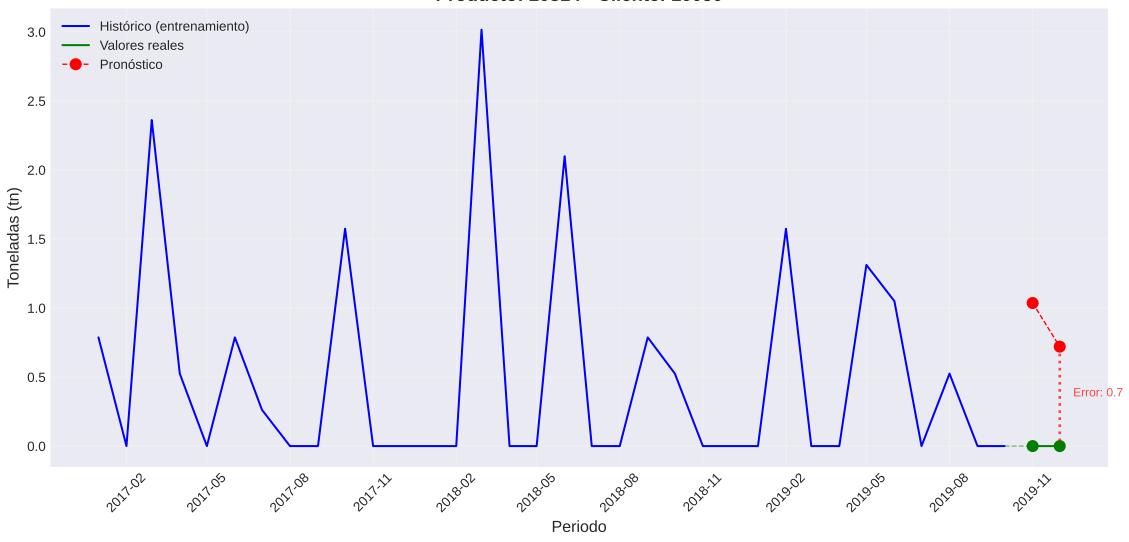
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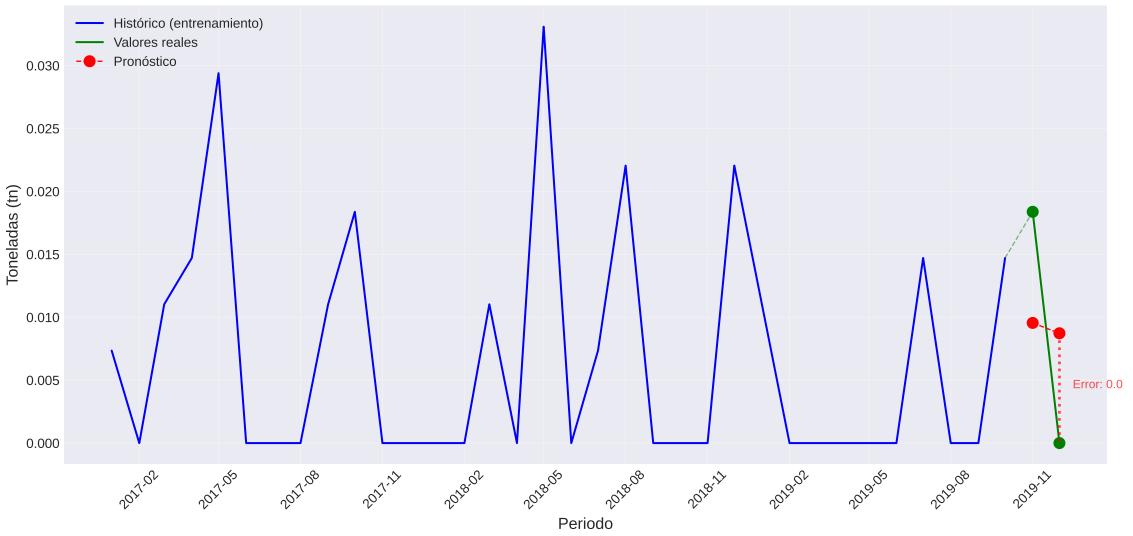
Producto: 20068 - Cliente: 10584



Producto: 20314 - Cliente: 10050

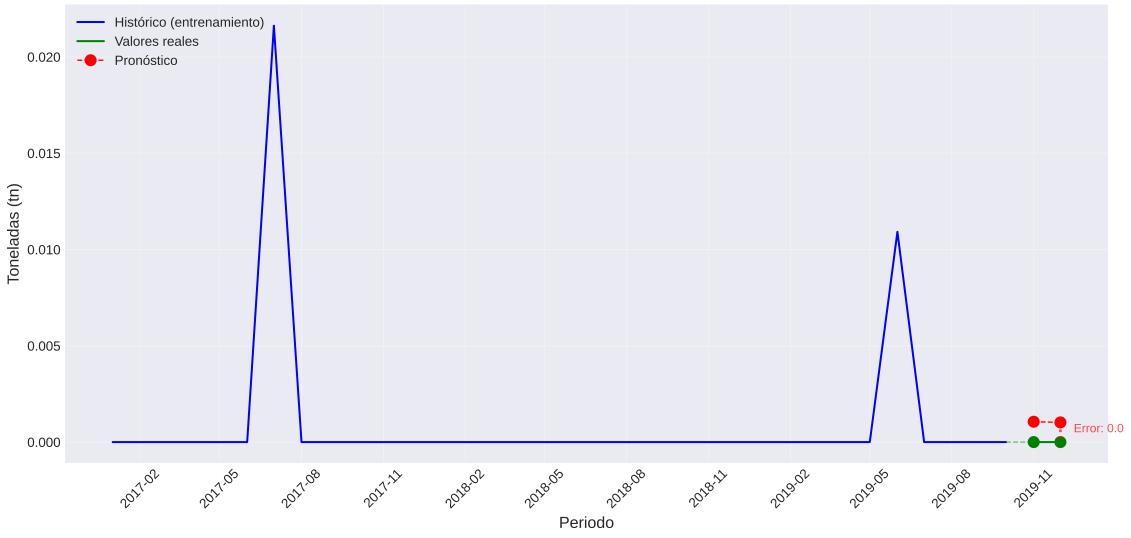


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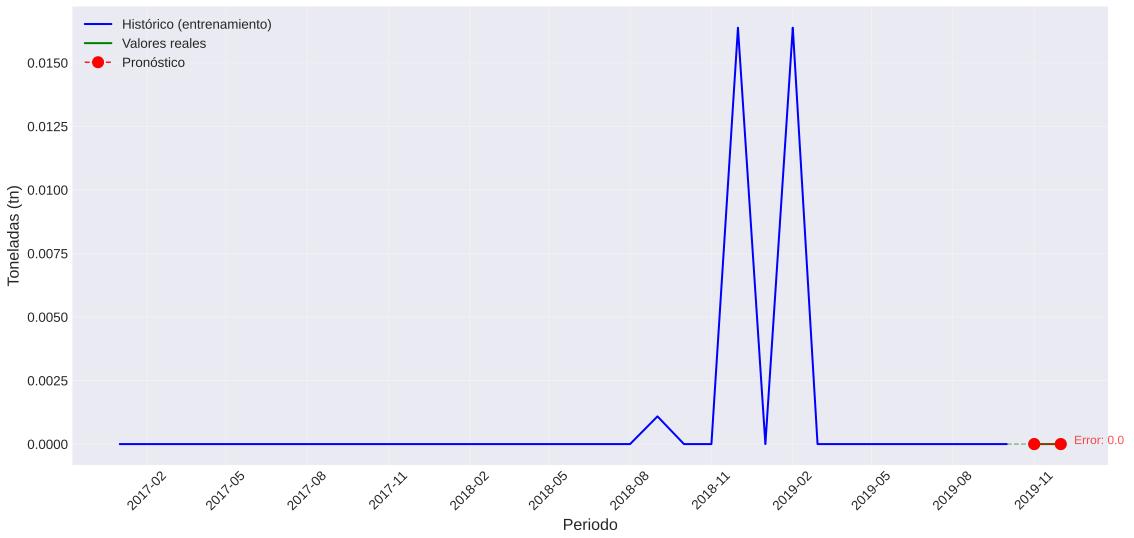


Producto: 20377 - Cliente: 10308 Histórico (entrenamiento) 0.0175 Valores reales - Pronóstico 0.0150 0.0125 Toneladas (tn) 0.0100 (2,000.0 0.0050 0.0025 Error: 0.0 0.0000 Periodo

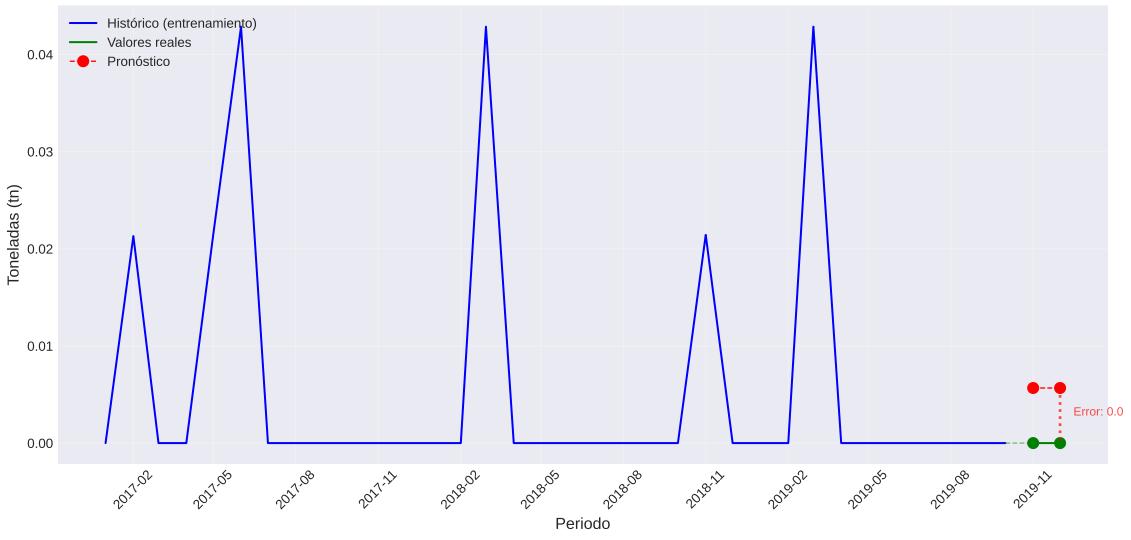
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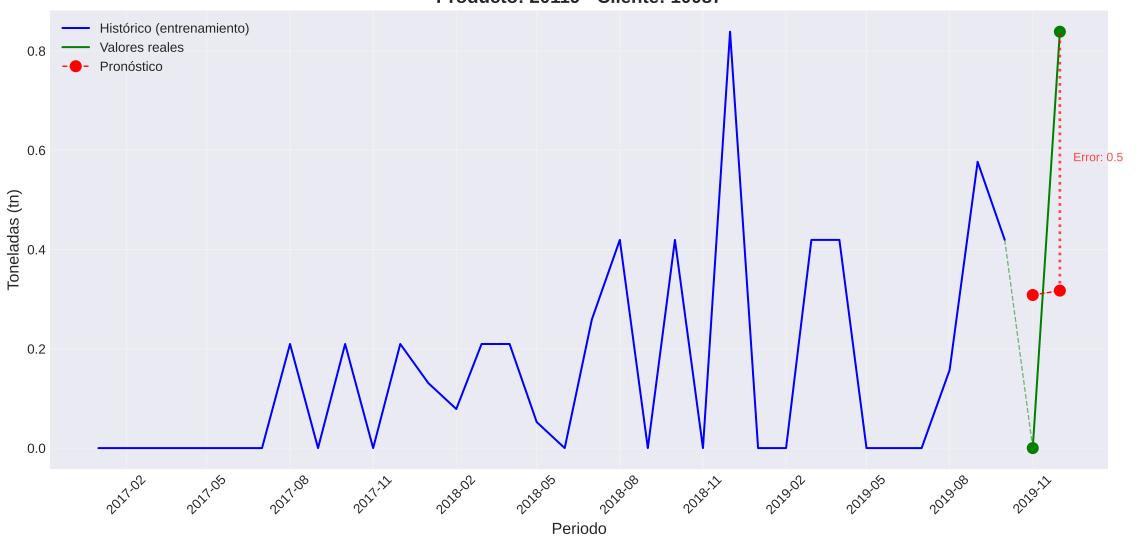
Producto: 20847 - Cliente: 10287



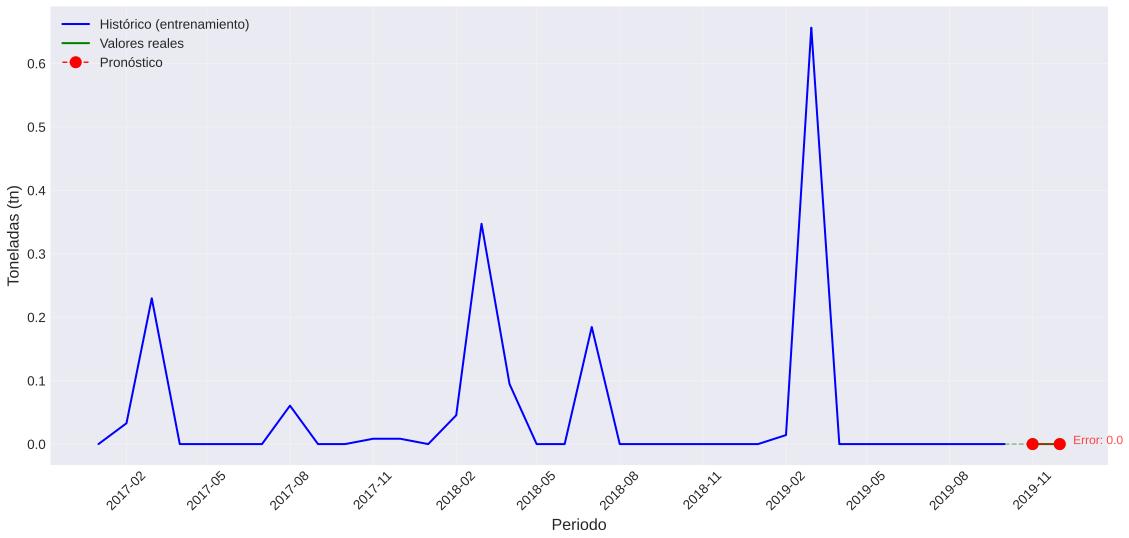
Producto: 20301 - Cliente: 10186

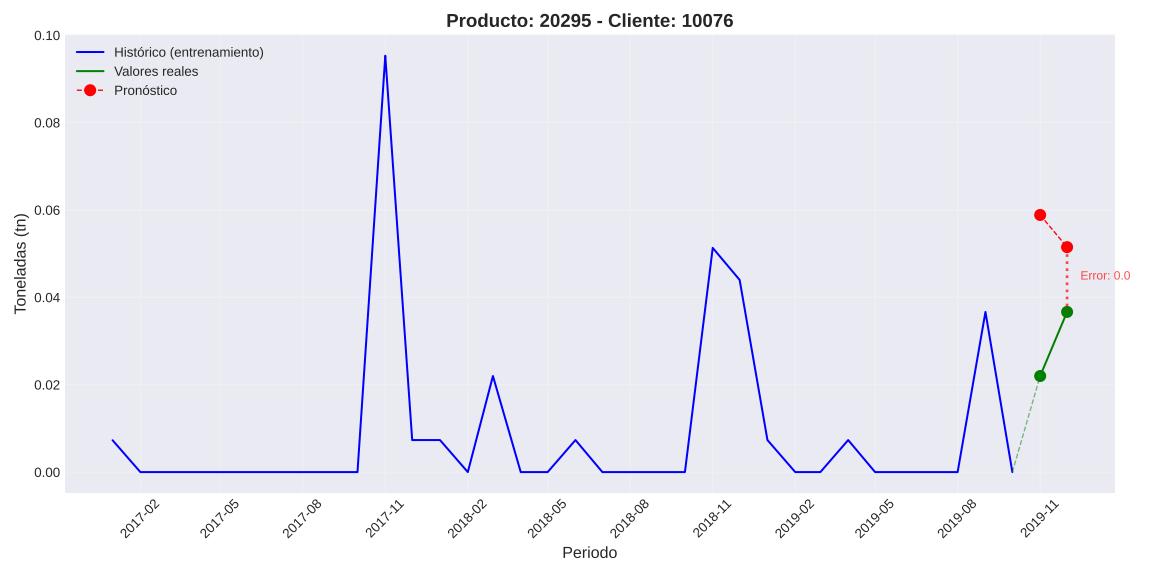


Producto: 20119 - Cliente: 10087

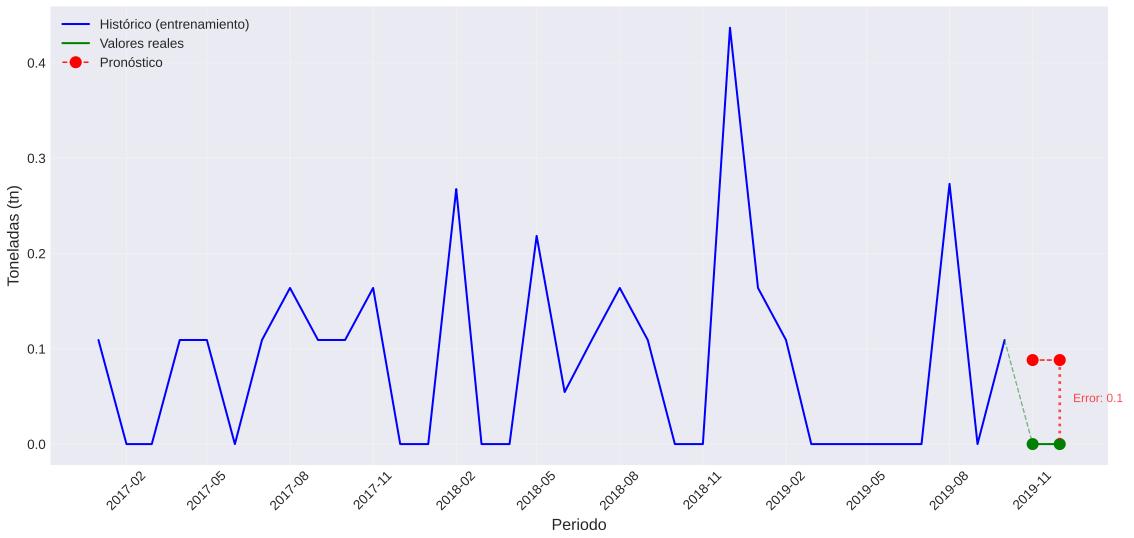


Producto: 20305 - Cliente: 10079

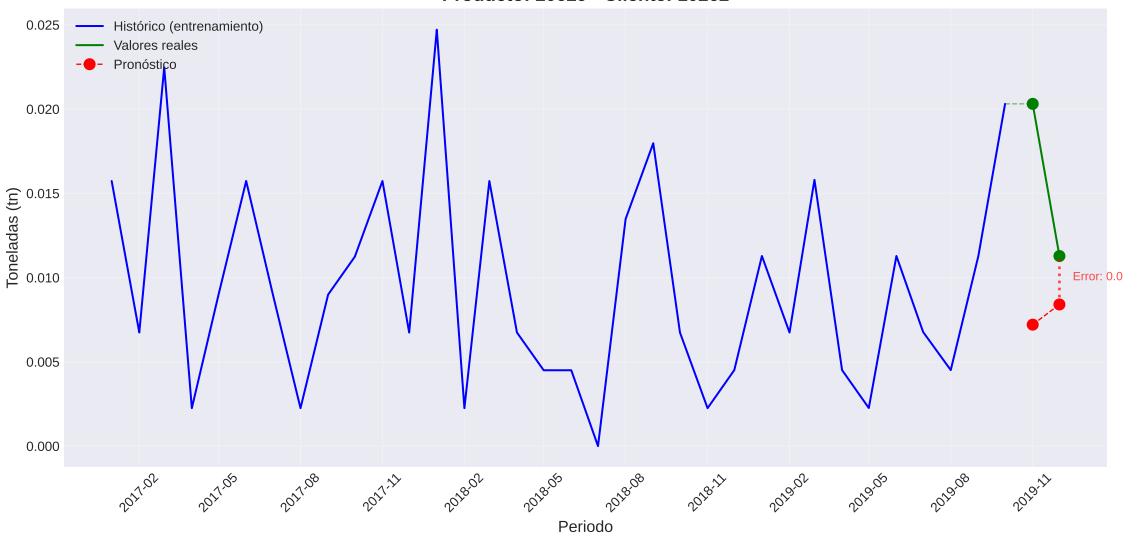




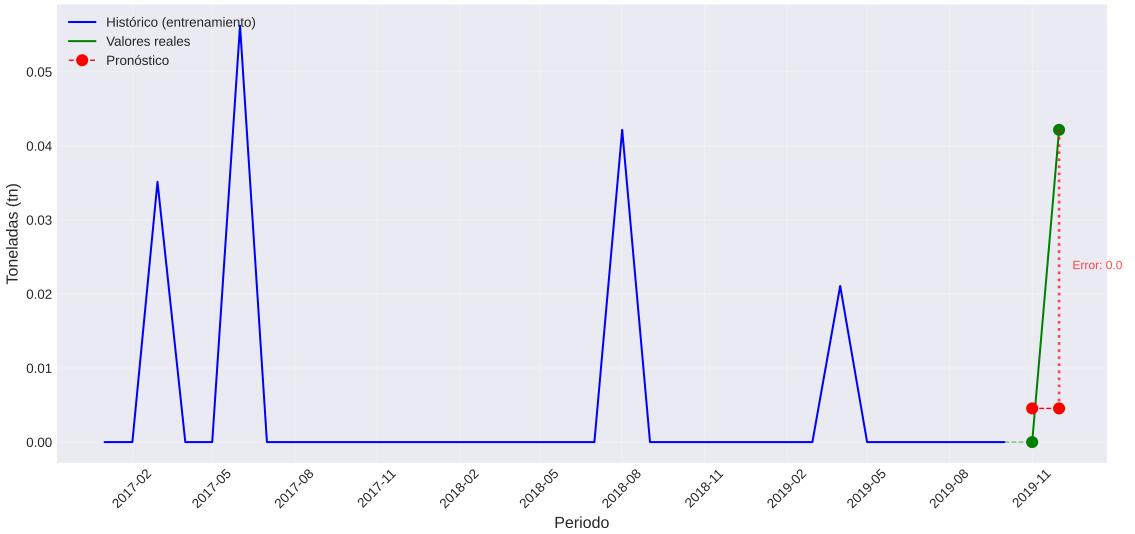
Producto: 20158 - Cliente: 10111



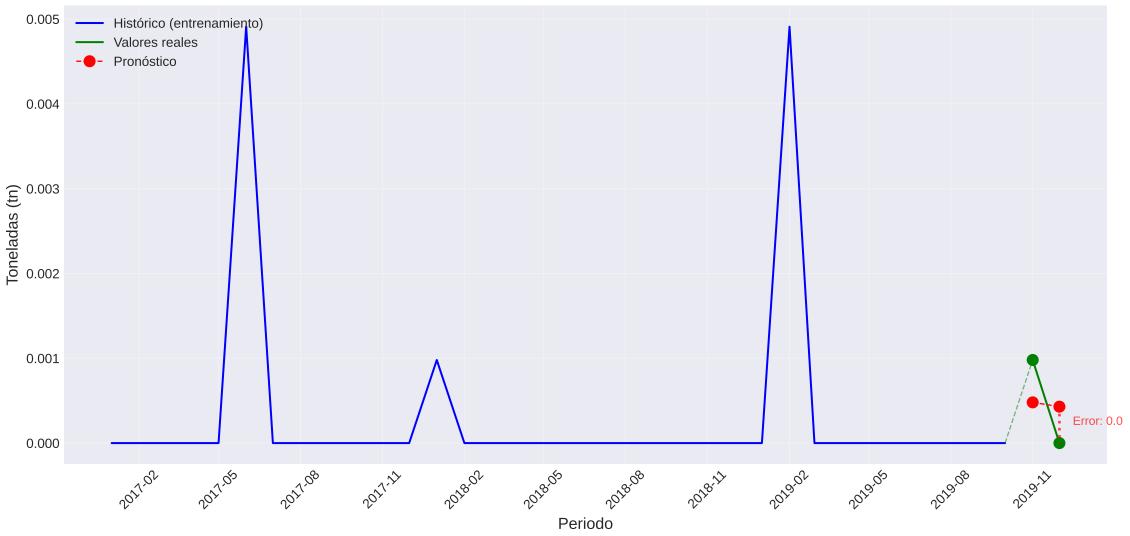
Producto: 20629 - Cliente: 10262



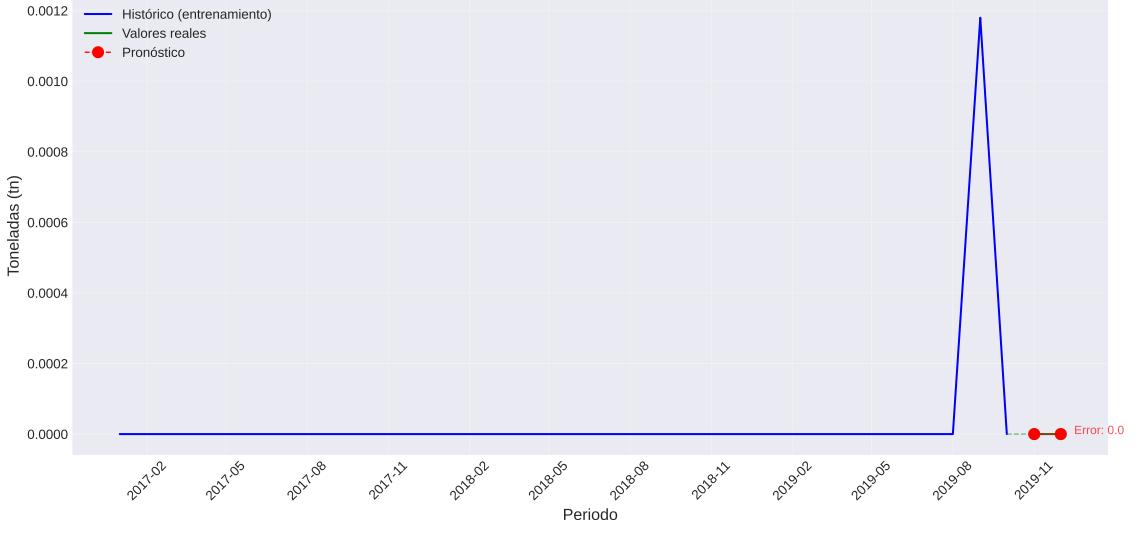
Producto: 20215 - Cliente: 10329



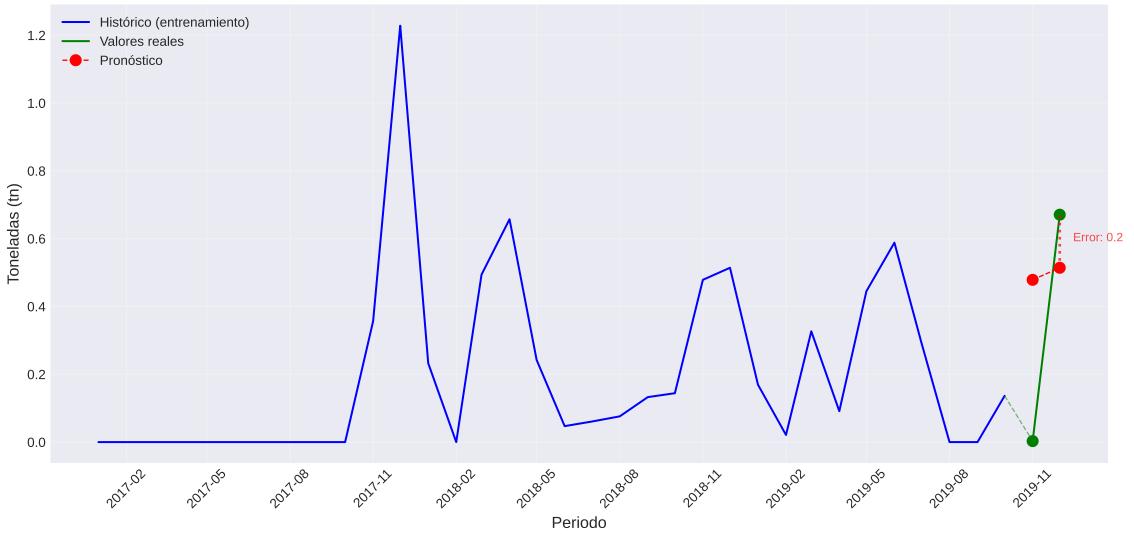
Producto: 20663 - Cliente: 10211



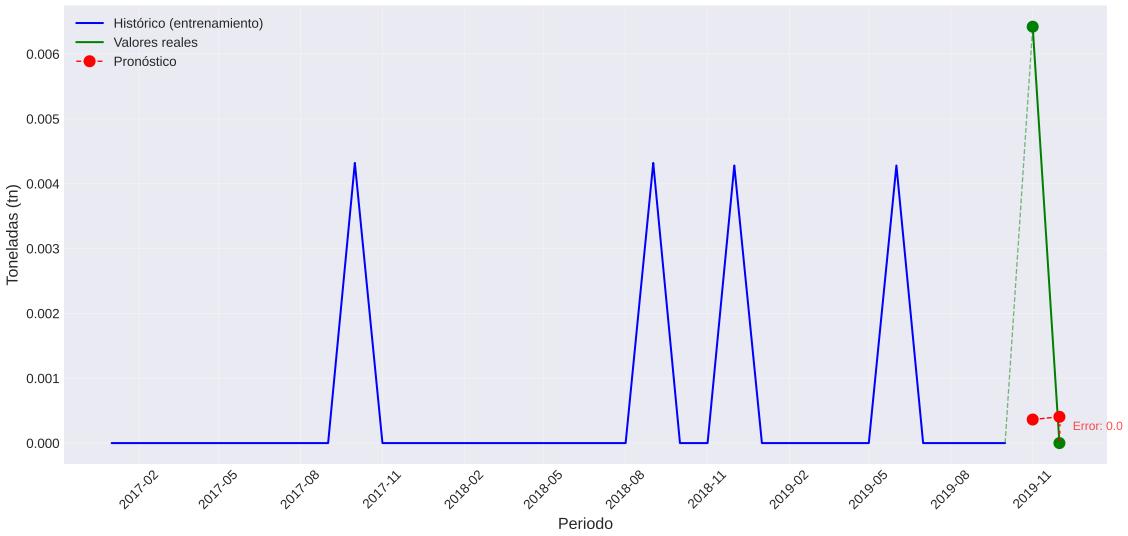
Producto: 21058 - Cliente: 10520



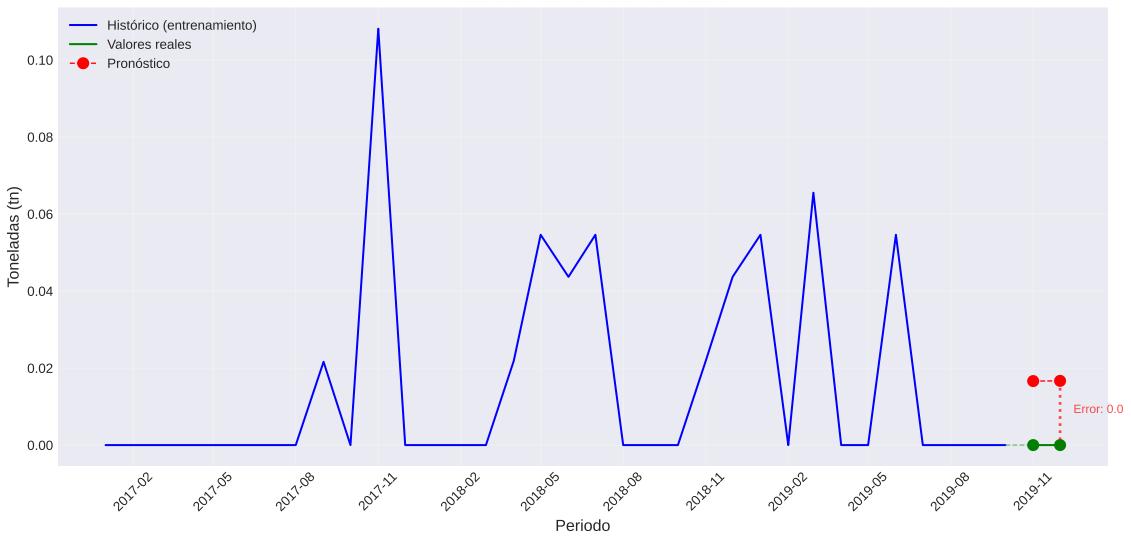
Producto: 20646 - Cliente: 10002



Producto: 20602 - Cliente: 10324

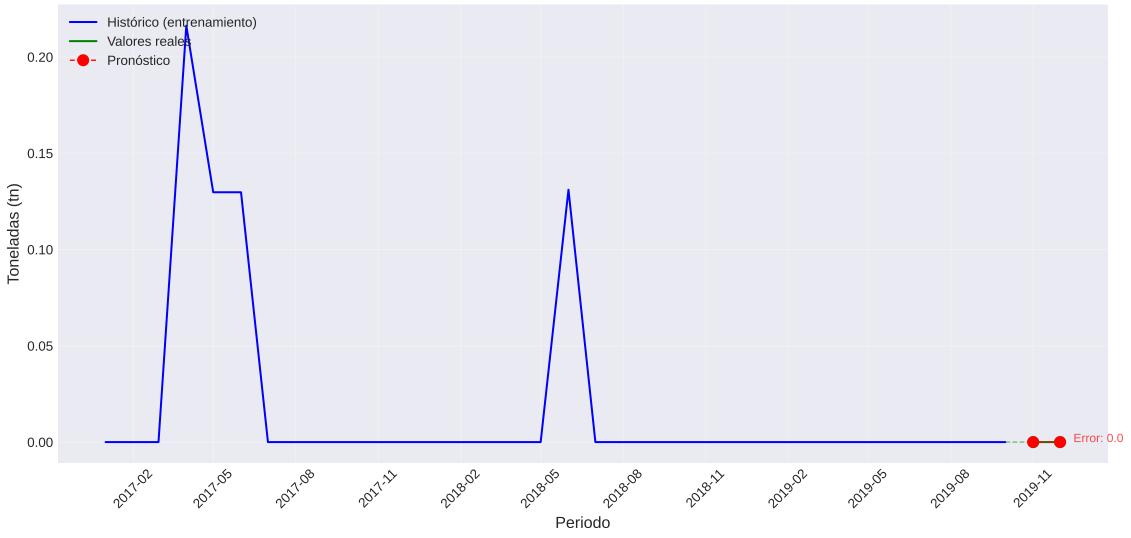


Producto: 20049 - Cliente: 10050

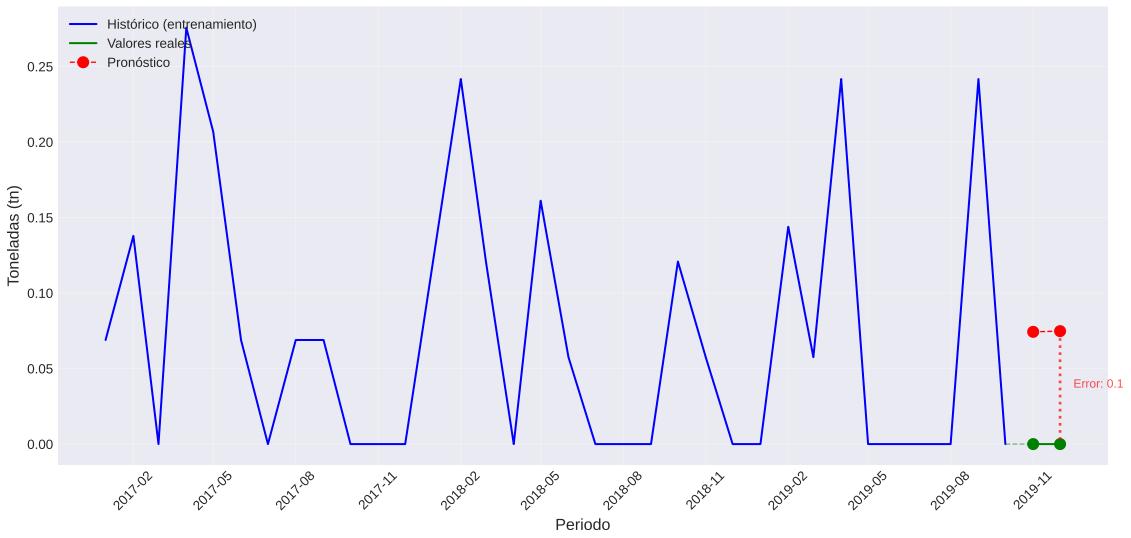


Producto: 20560 - Cliente: 10088 Histórico (entrenamiento) Valores reales - Pronóstico 0.008 0.006 Toneladas (tn) 0.002 Error: 0.0 0.000 Periodo

Producto: 20588 - Cliente: 10153

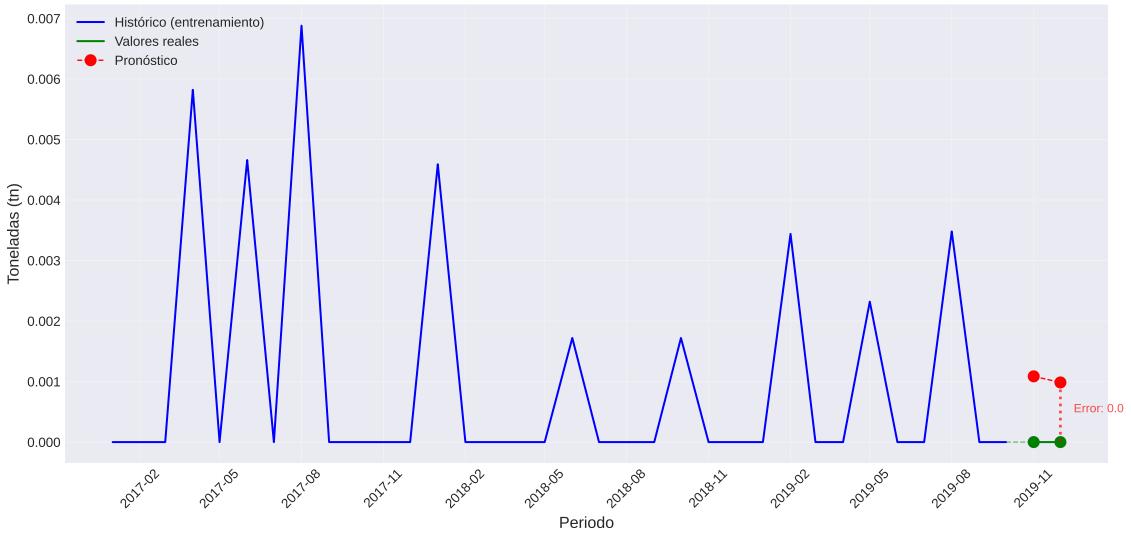


Producto: 20124 - Cliente: 10210

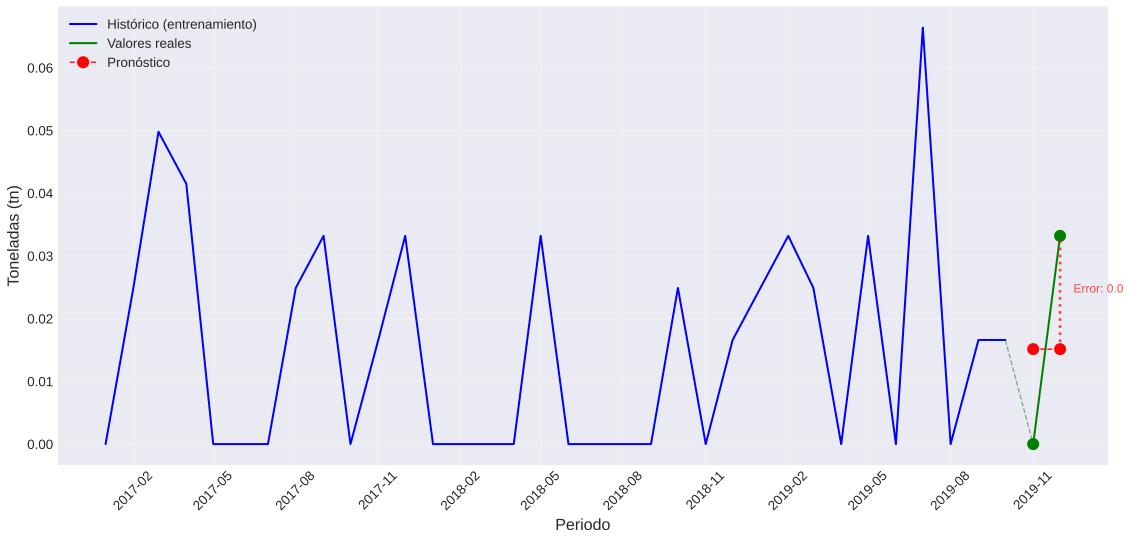


Producto: 20465 - Cliente: 10355 Histórico (entrenamiento) Valores reales - Pronóstico 0.010 0.008 Toneladas (tn) 0.004 0.002 Error: 0.0 0.000 Periodo

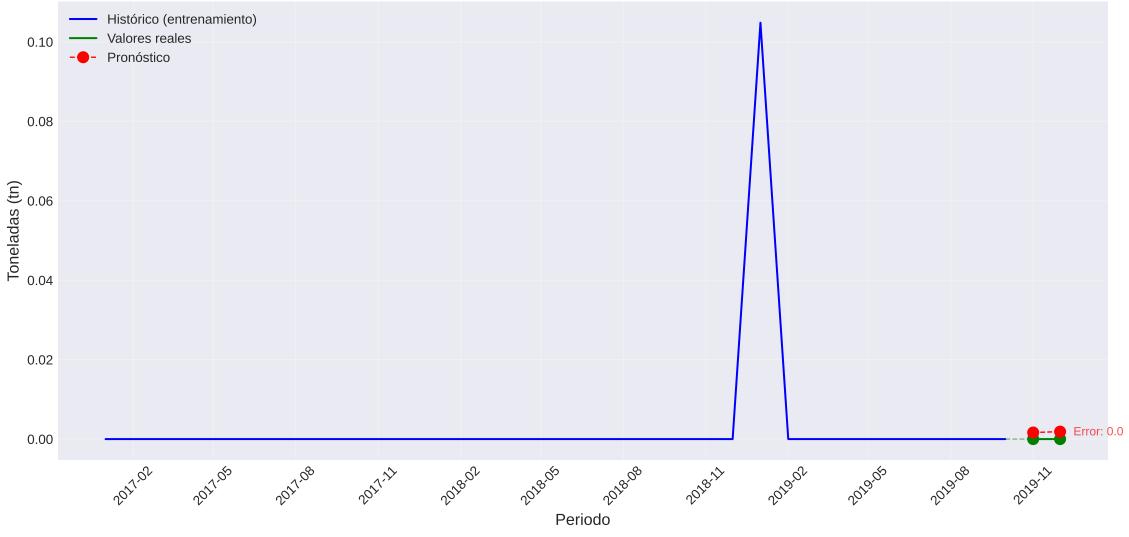
Producto: 20697 - Cliente: 10518



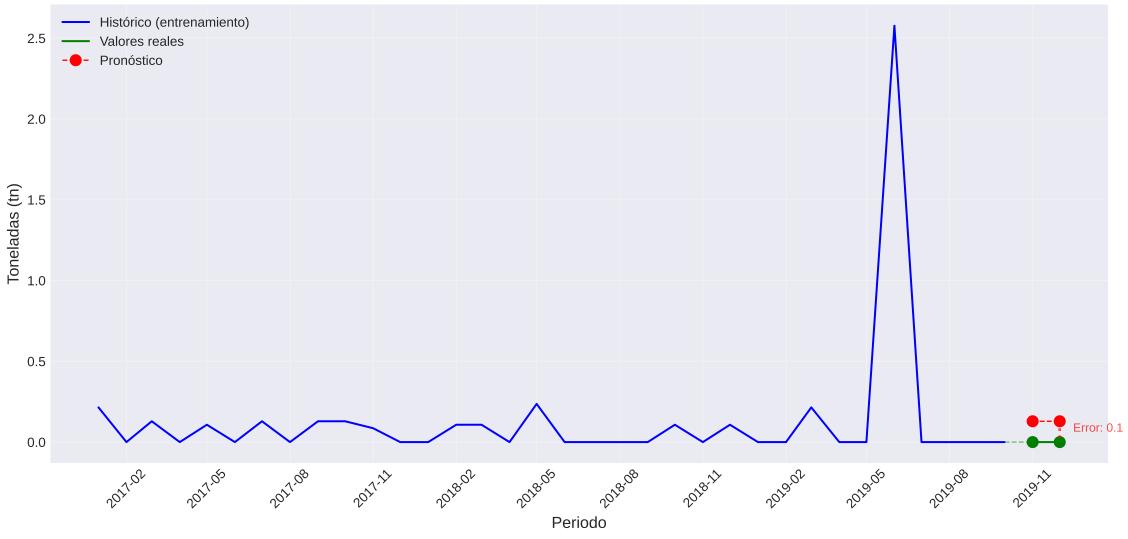
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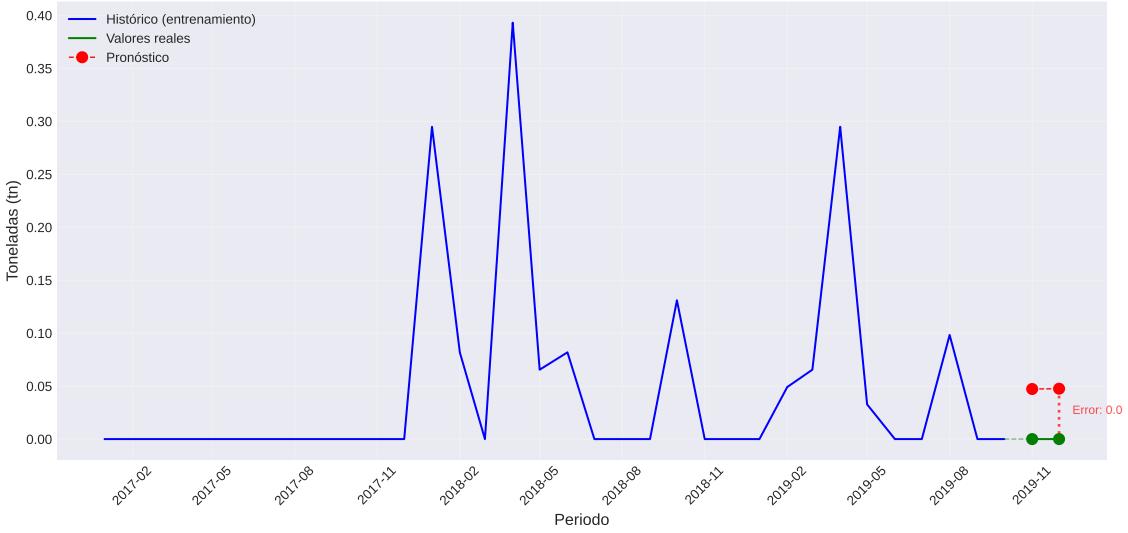
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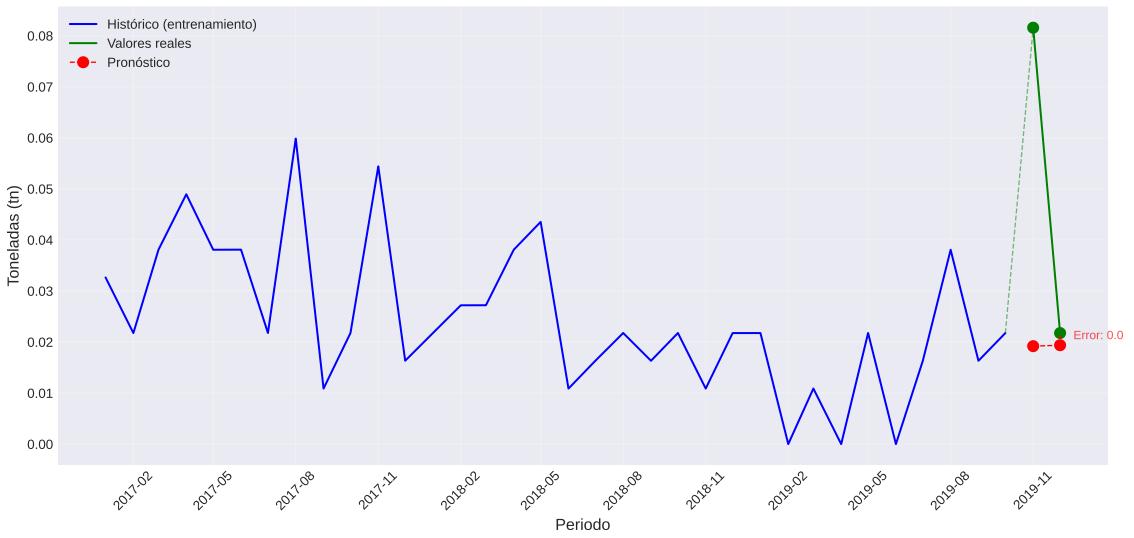
Producto: 20384 - Cliente: 10019



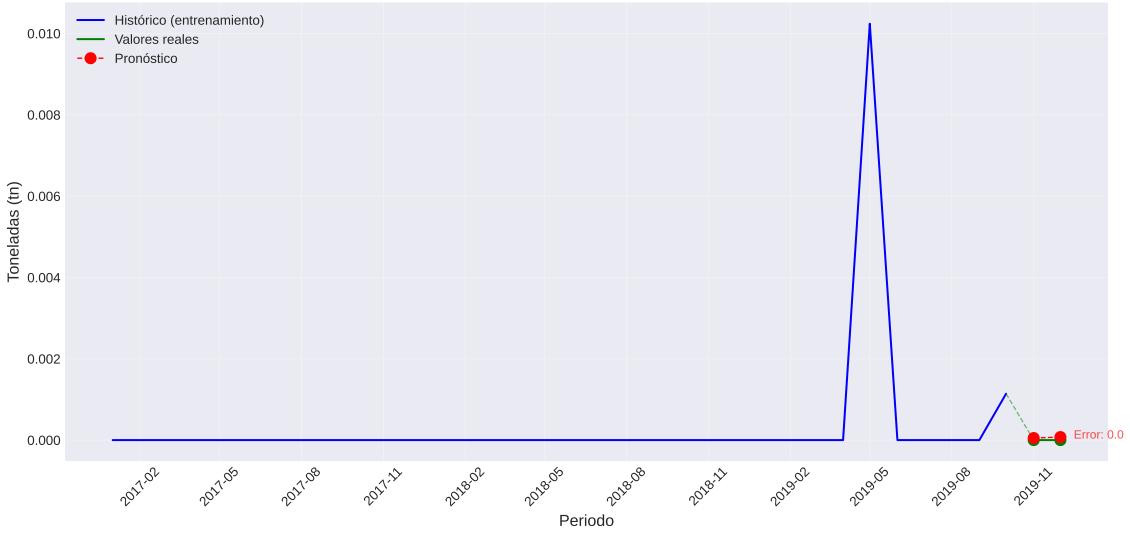
Producto: 20313 - Cliente: 10061



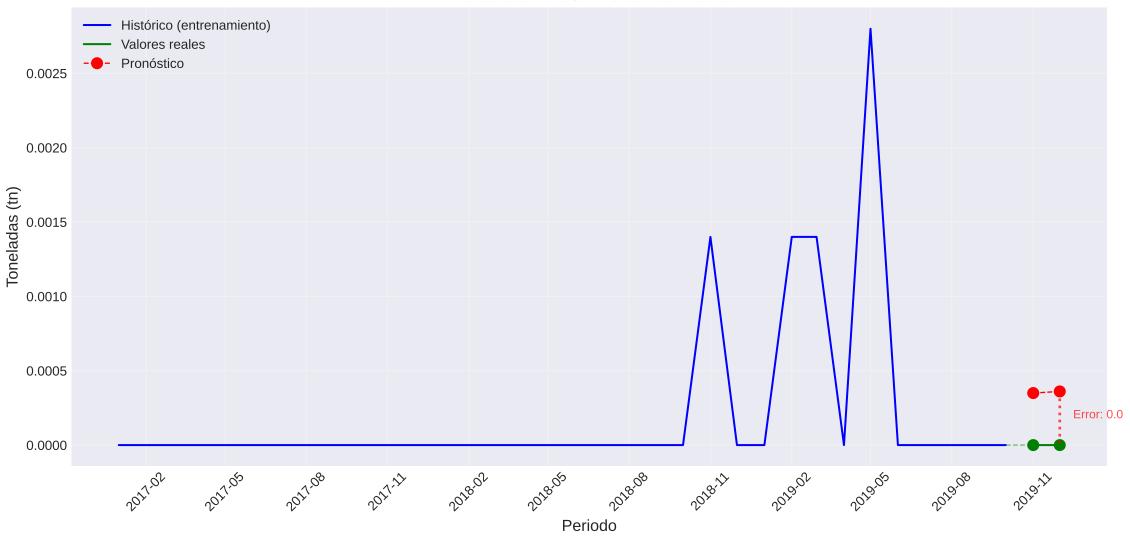
Producto: 20219 - Cliente: 10159



Producto: 21265 - Cliente: 10016



Producto: 21037 - Cliente: 10249

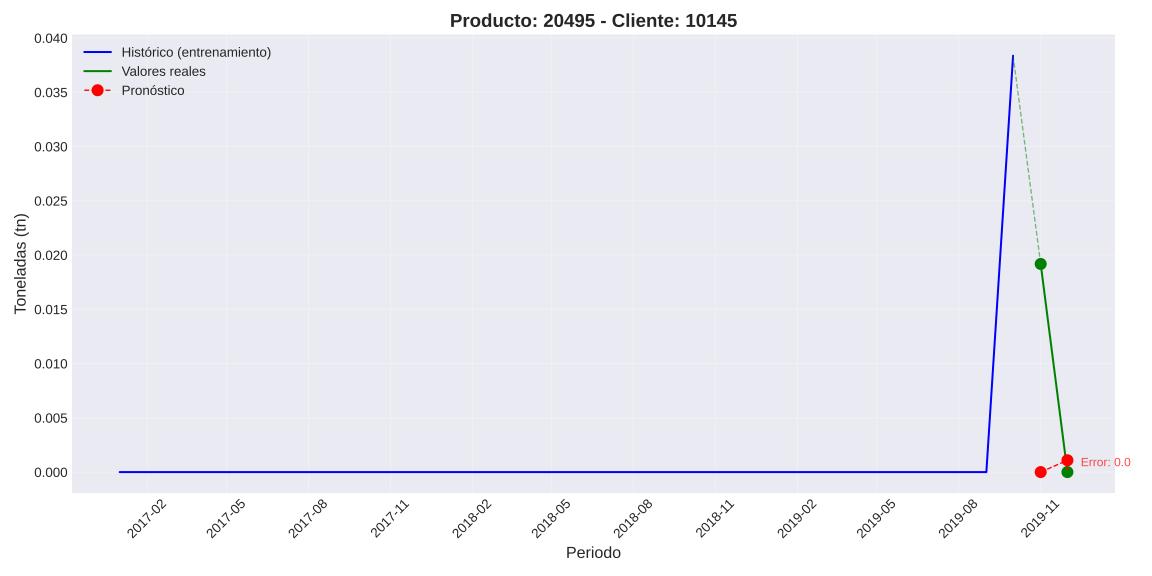


Producto: 20596 - Cliente: 10286 Histórico (entrenamiento) Valores reales - Pronóstico 0.04 0.03 Toneladas (tn) 0.01 Error: 0.0 0.00

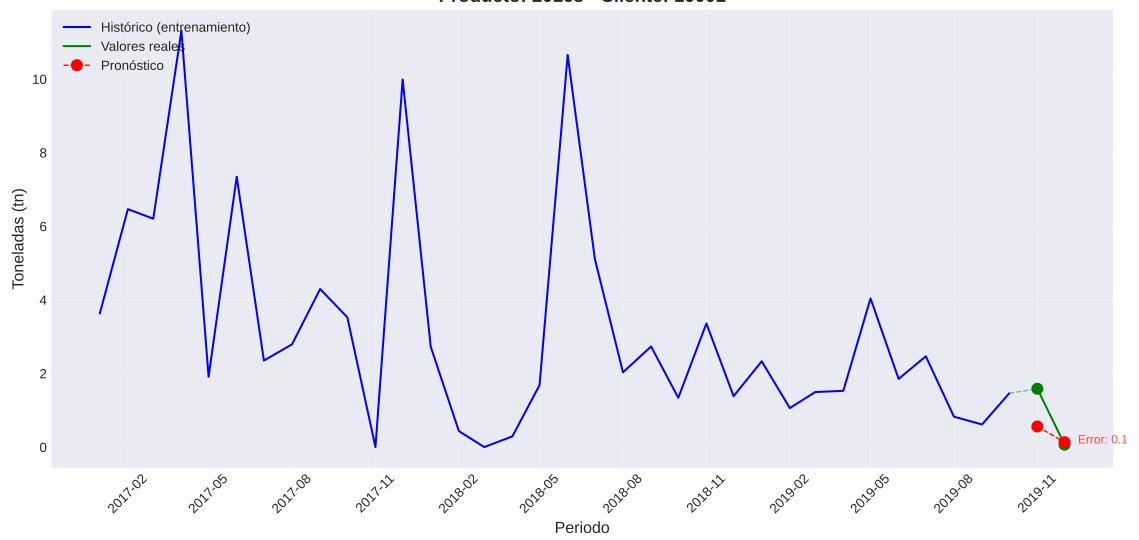
Periodo

Producto: 20651 - Cliente: 10435 Histórico (entrenamiento) 0.005 Valores reales - Pronóstico 0.004 Toneladas (tn) 200.00 200.00 0.001 Error: 0.0 0.000

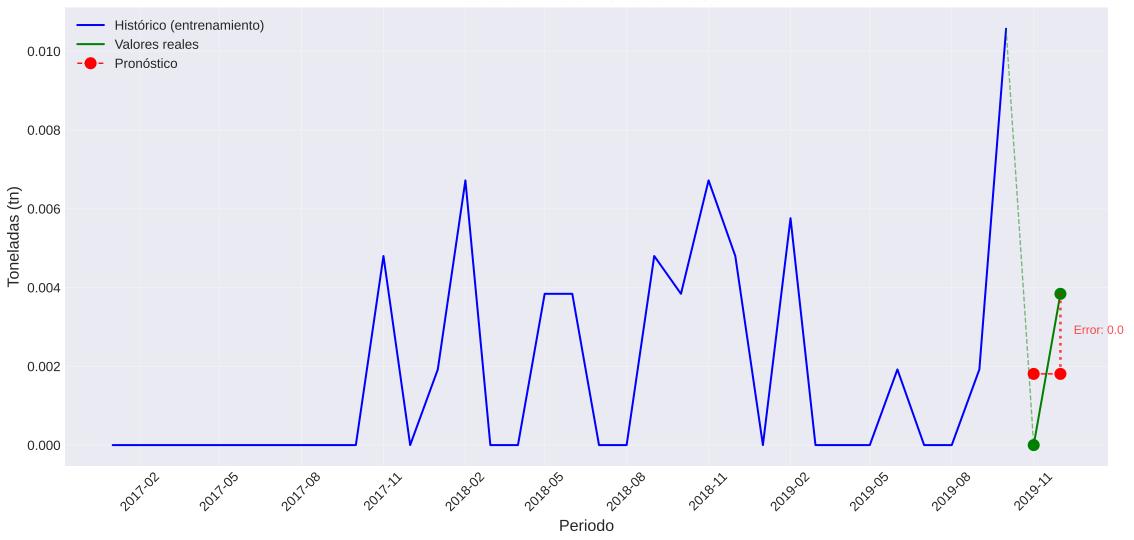
Periodo



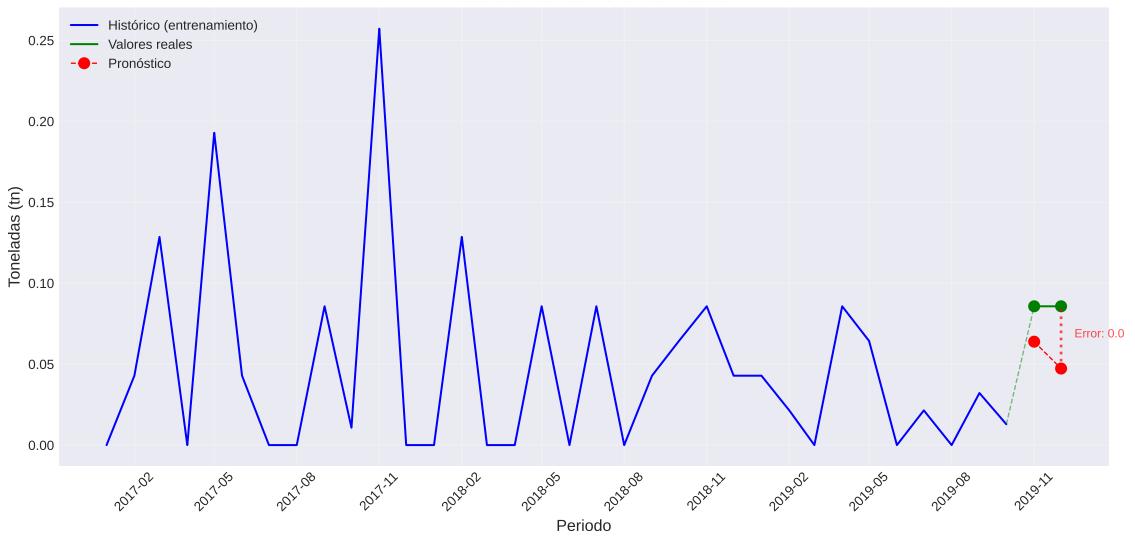
Producto: 20168 - Cliente: 10001



Producto: 20646 - Cliente: 10351



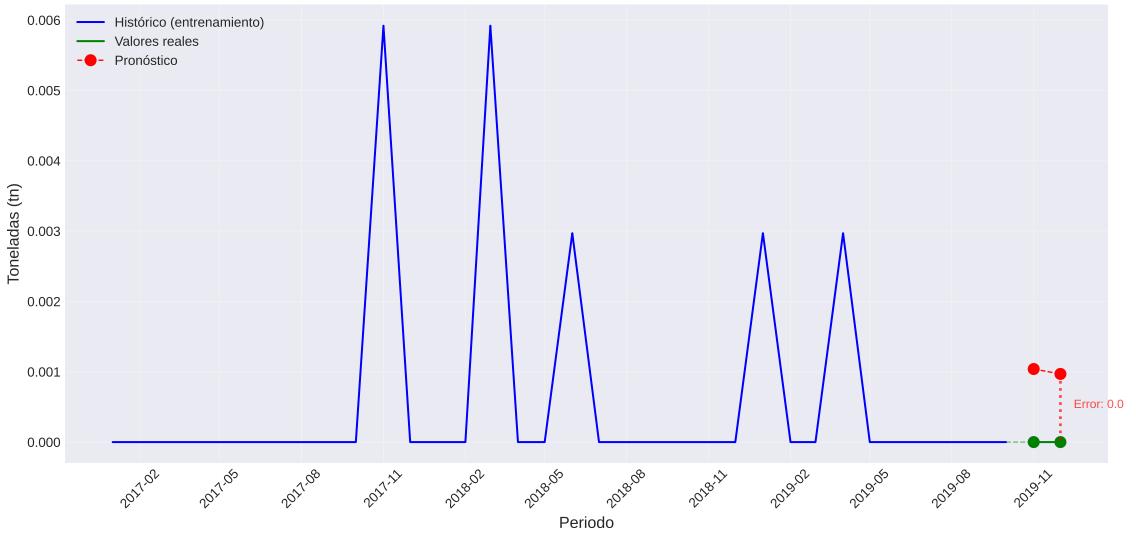
Producto: 20268 - Cliente: 10080



Producto: 20863 - Cliente: 10503 — Histórico (entrenamiento) Valores reales -**O**- Pronóstico 0.0014 0.0012 0.0010 Toneladas (tn) 8000.0 8000.0 0.0004 0.0002 Error: 0.0 0.0000

Periodo

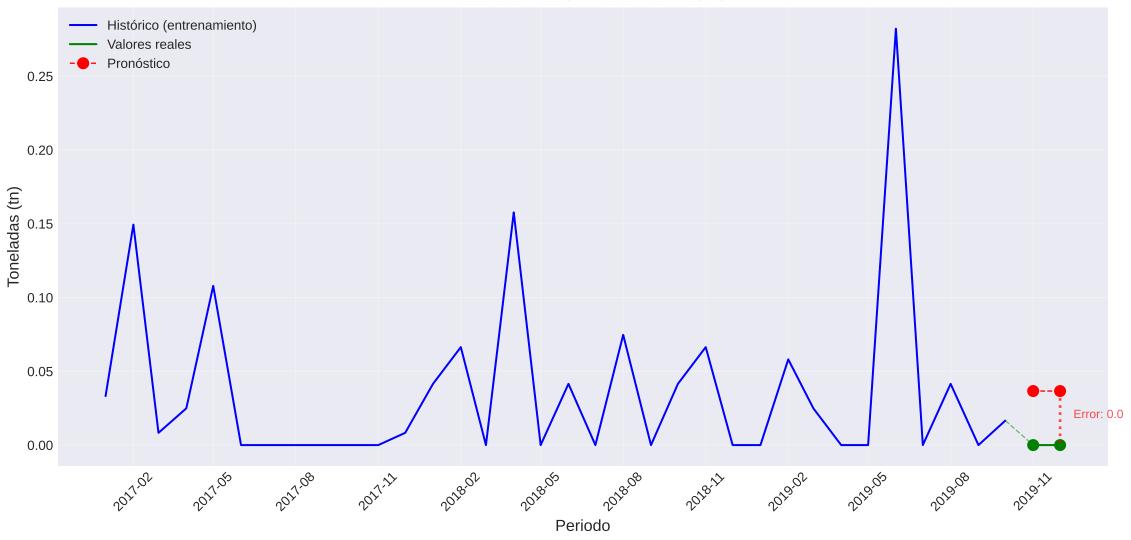
Producto: 20749 - Cliente: 10274

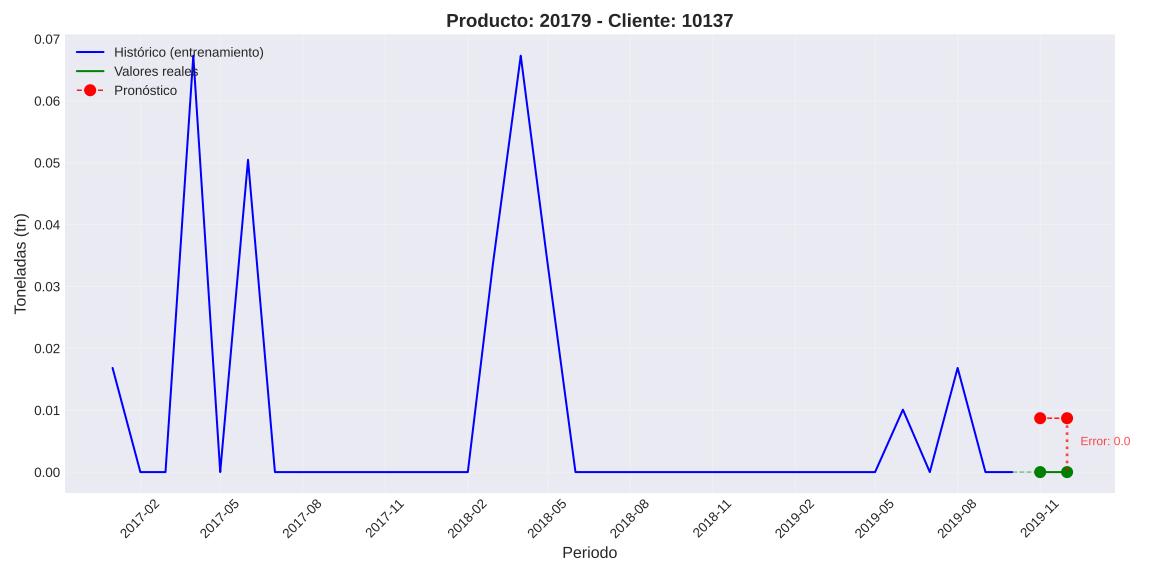


Producto: 20758 - Cliente: 10320 0.005 — Histórico (entrenamiento) Valores reales - Pronóstico 0.004 Toneladas (tn) 200.00 200.00 0.001 Error: 0.0 0.000

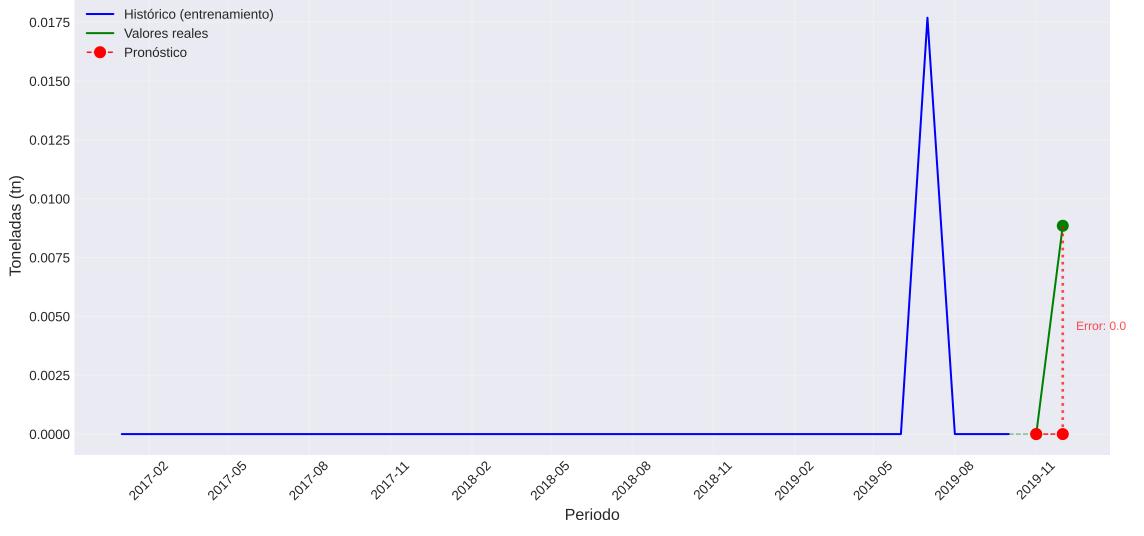
Periodo

Producto: 20037 - Cliente: 10343

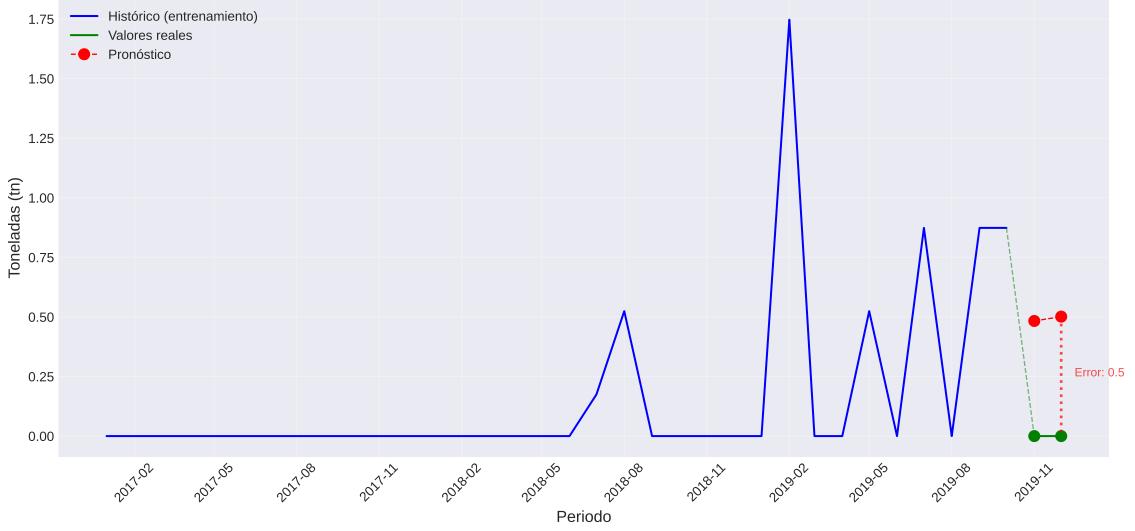




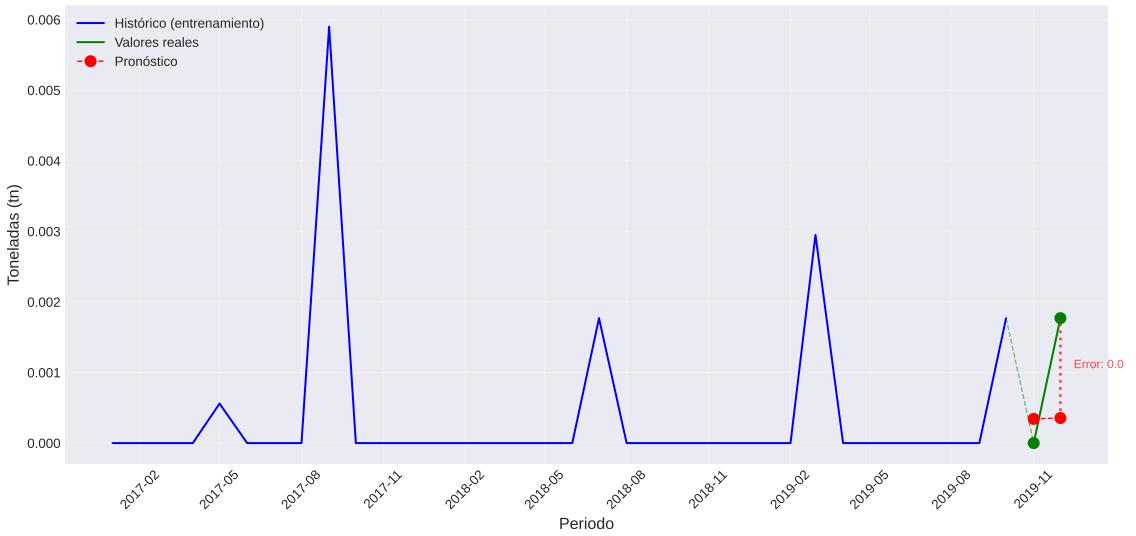
Producto: 20827 - Cliente: 10441



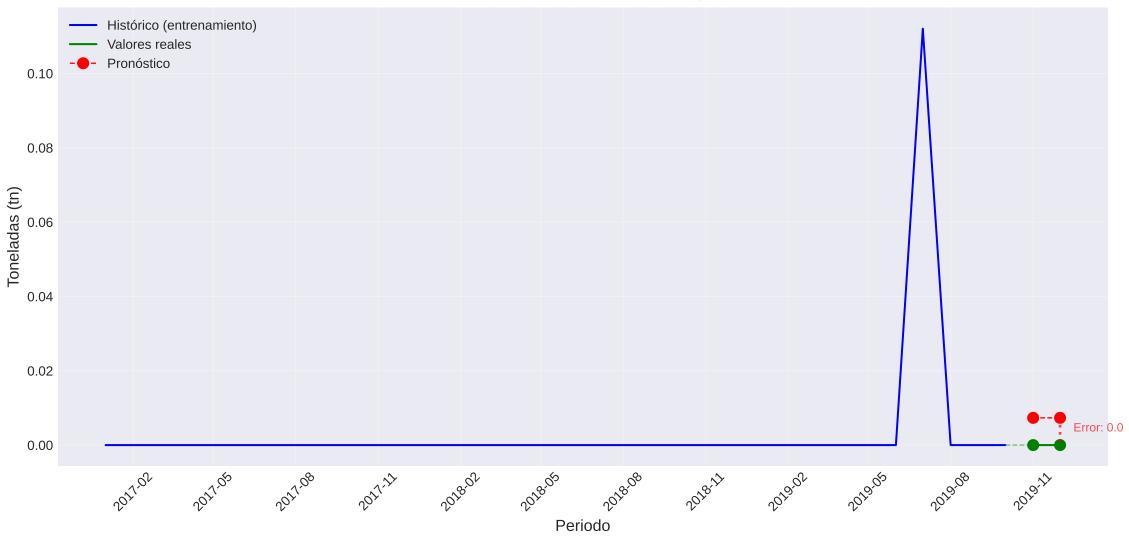
Producto: 20020 - Cliente: 10173



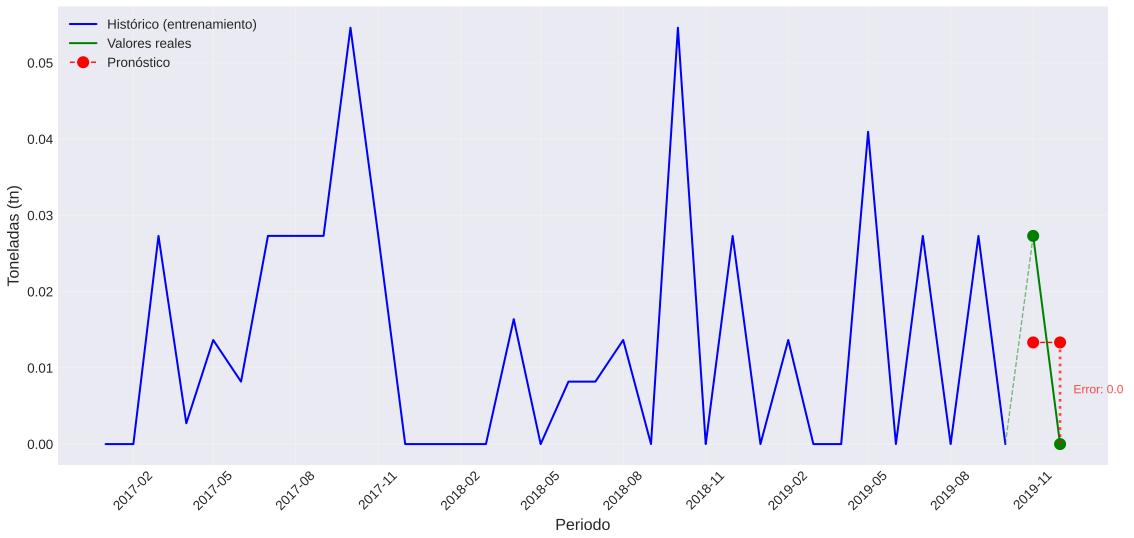
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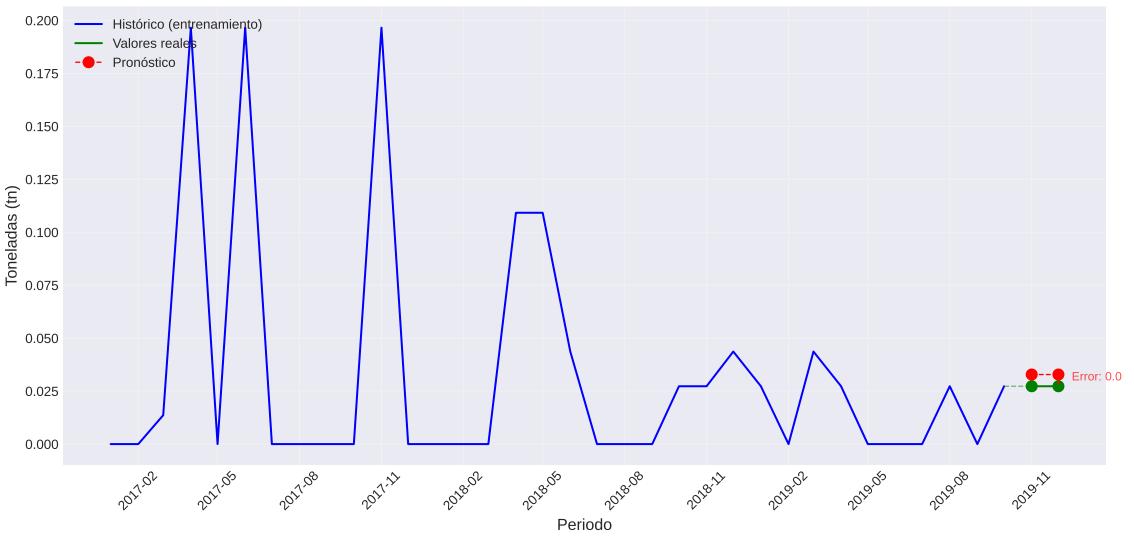
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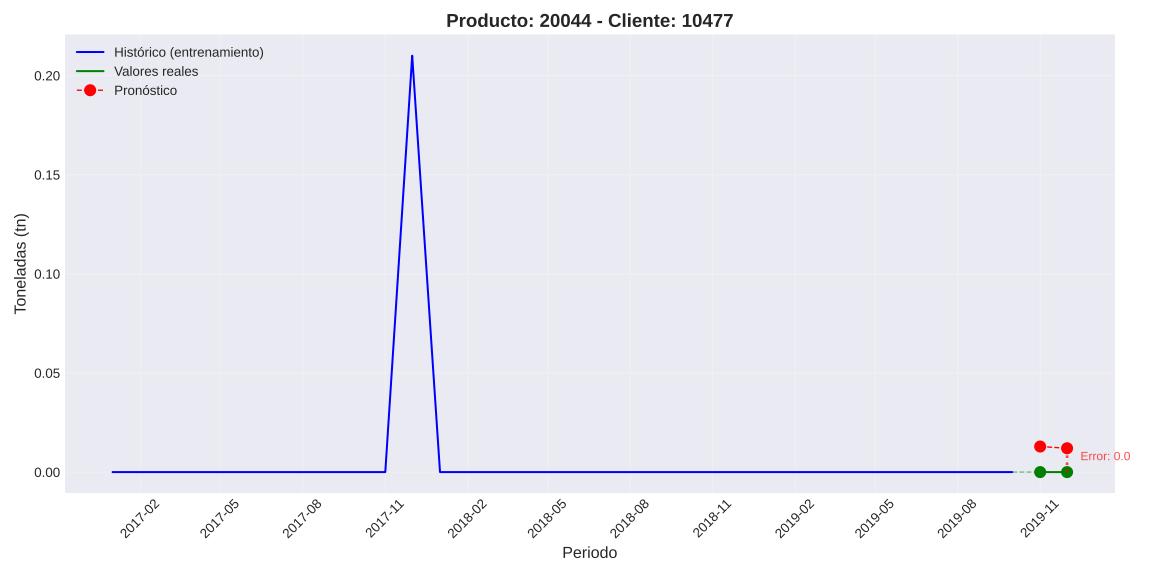


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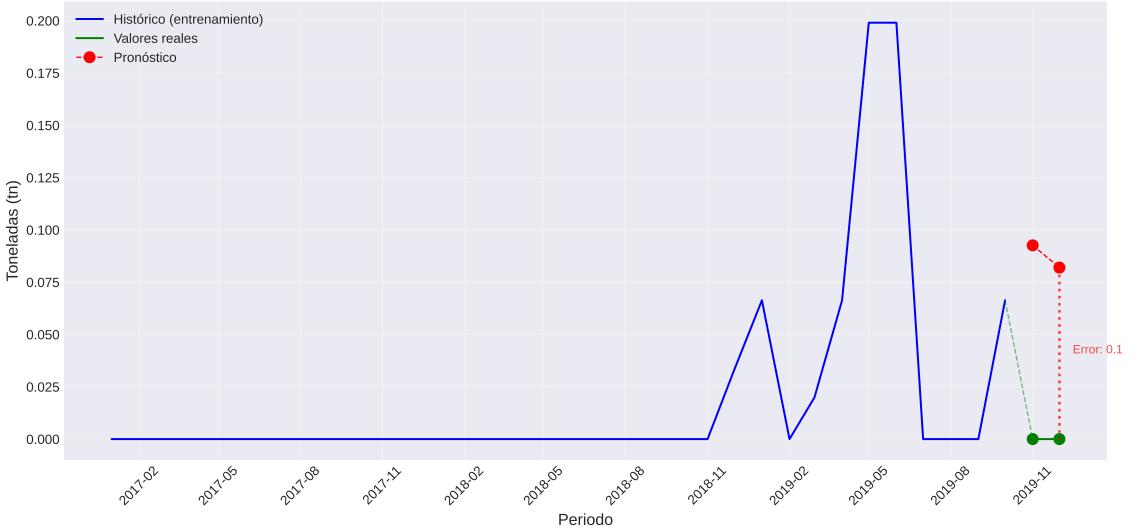


Producto: 20216 - Cliente: 10115

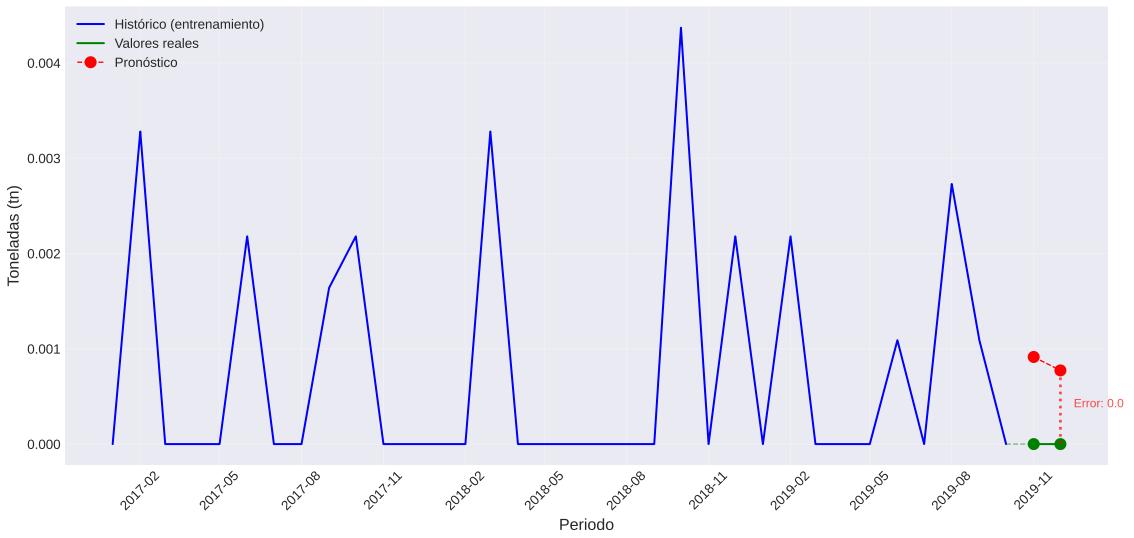




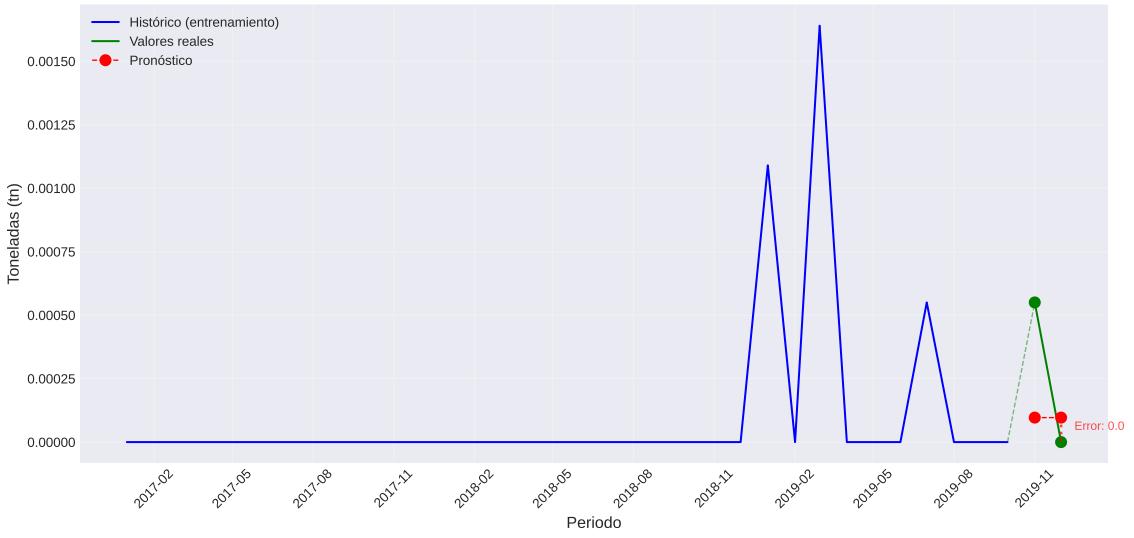
Producto: 20159 - Cliente: 10171



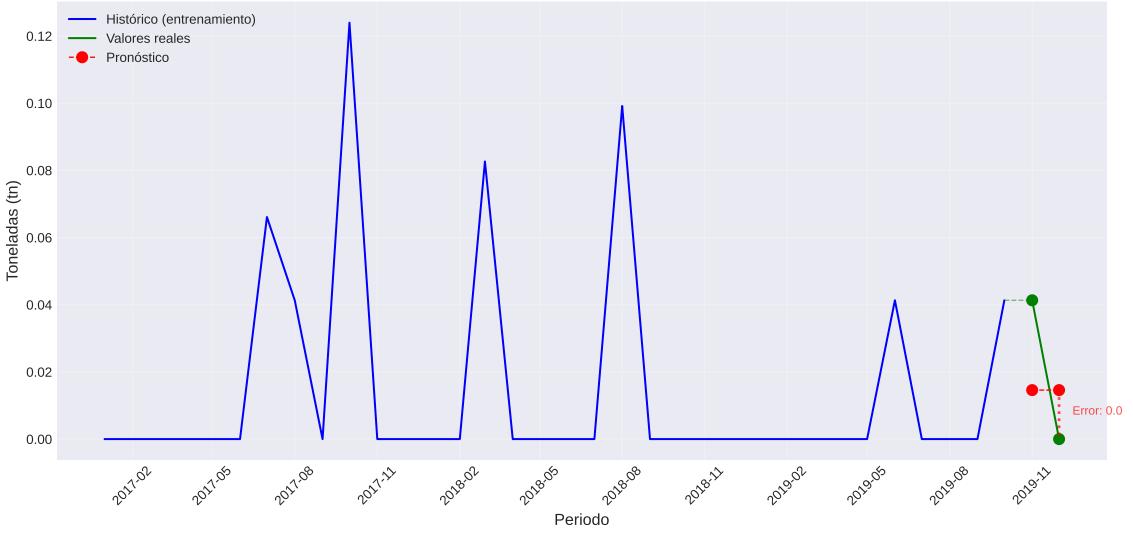
Producto: 21008 - Cliente: 10253



Producto: 21084 - Cliente: 10300

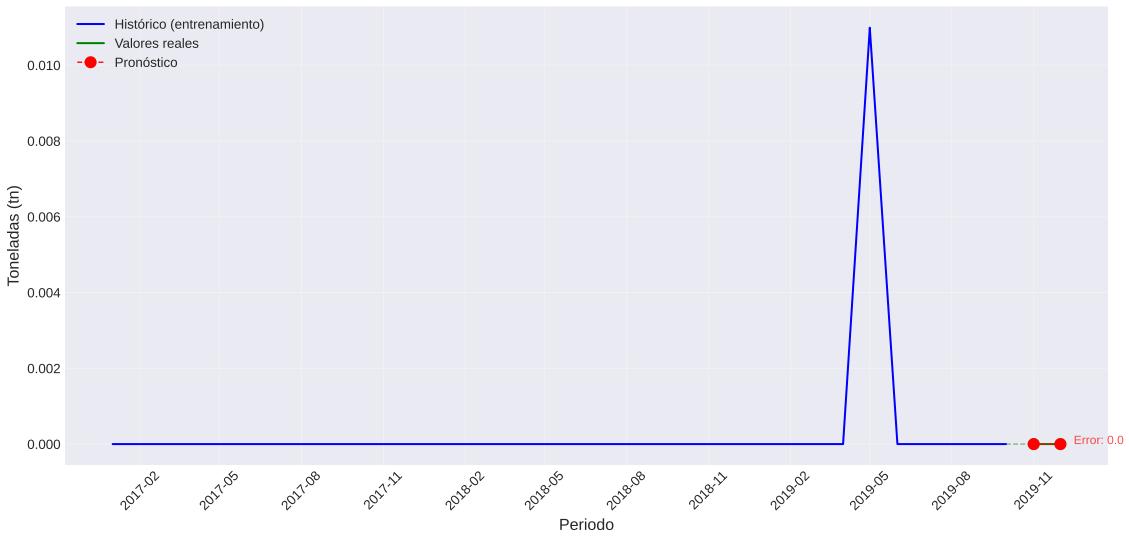


Producto: 20508 - Cliente: 10068

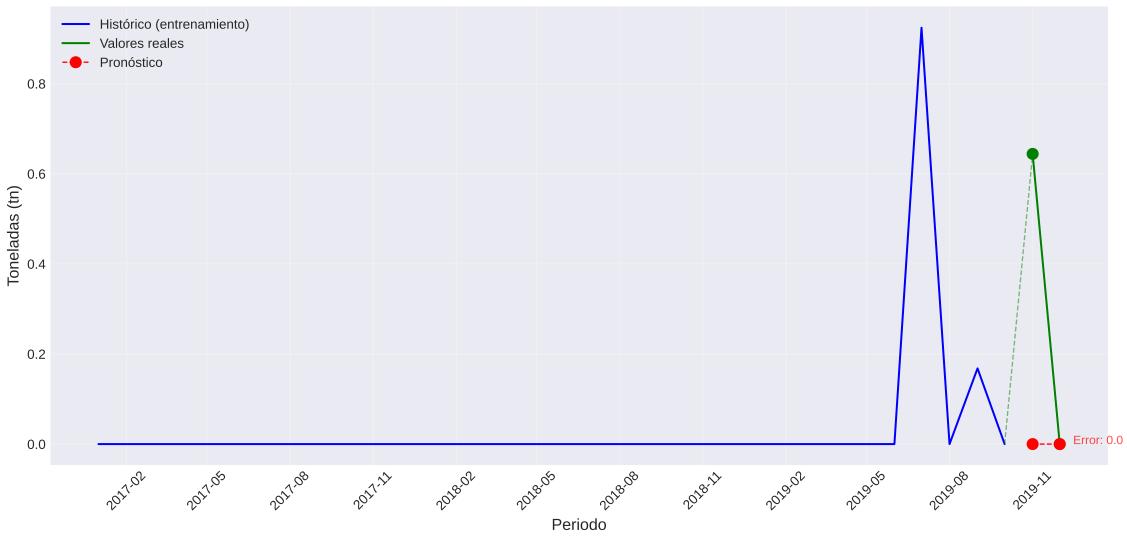


Producto: 20936 - Cliente: 10094 Histórico (entrenamiento) Valores reales - Pronóstico 0.04 0.03 Toneladas (tn) 0.01 0.00 Periodo

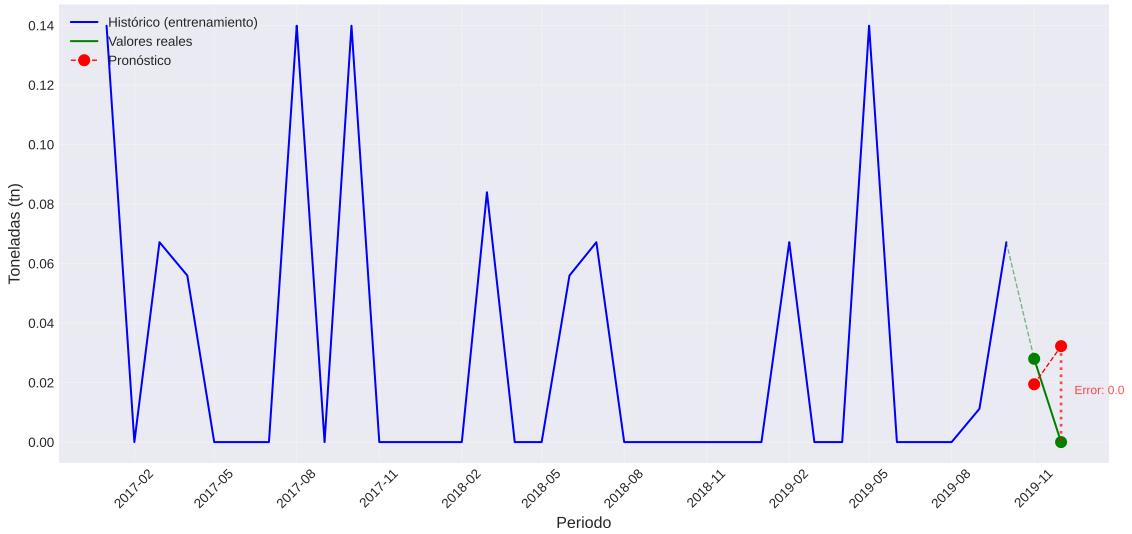
Producto: 20681 - Cliente: 10211



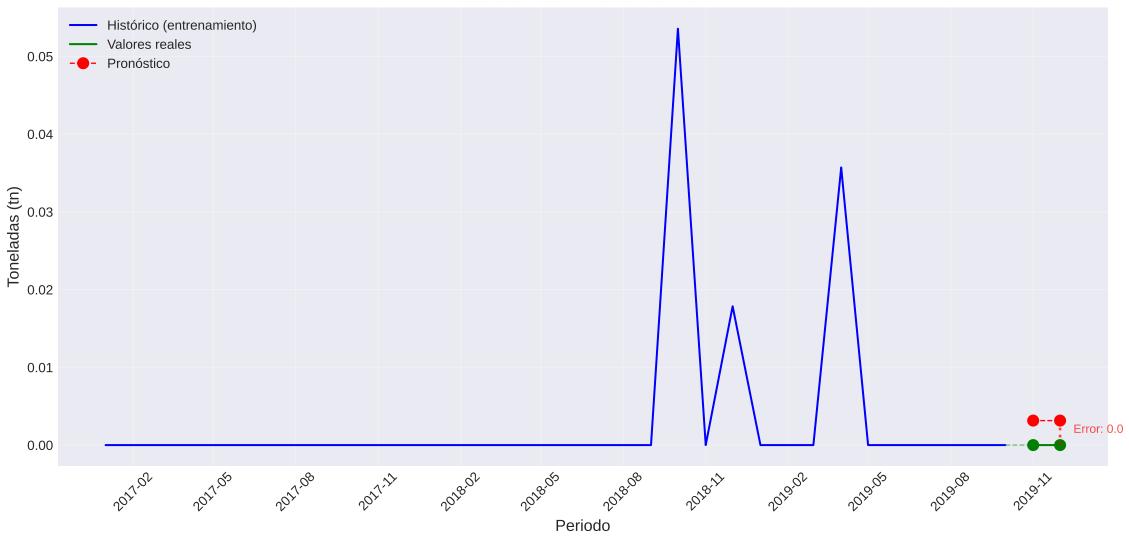
Producto: 20261 - Cliente: 10096



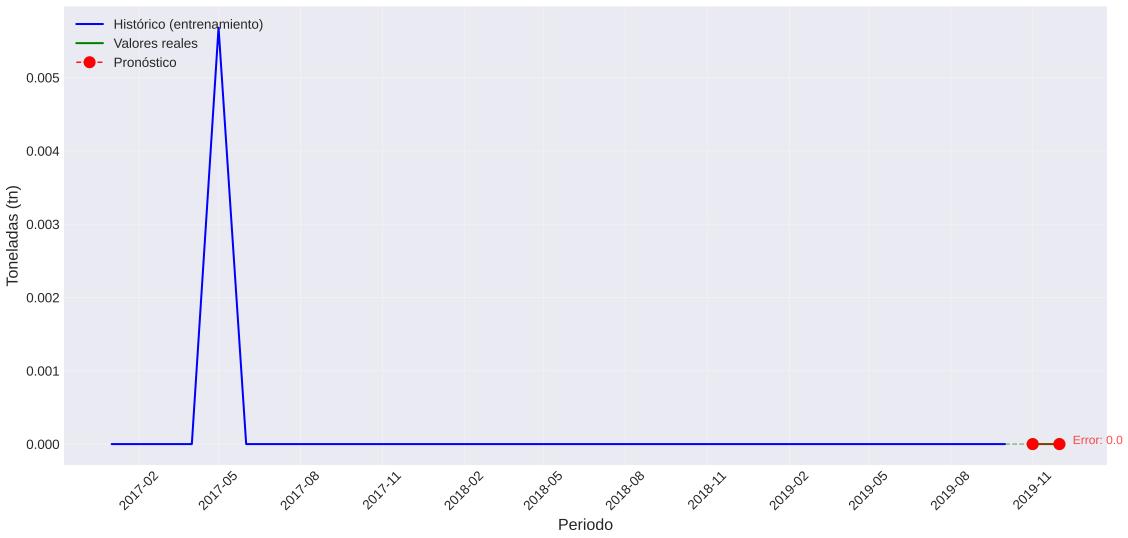
Producto: 20160 - Cliente: 10217



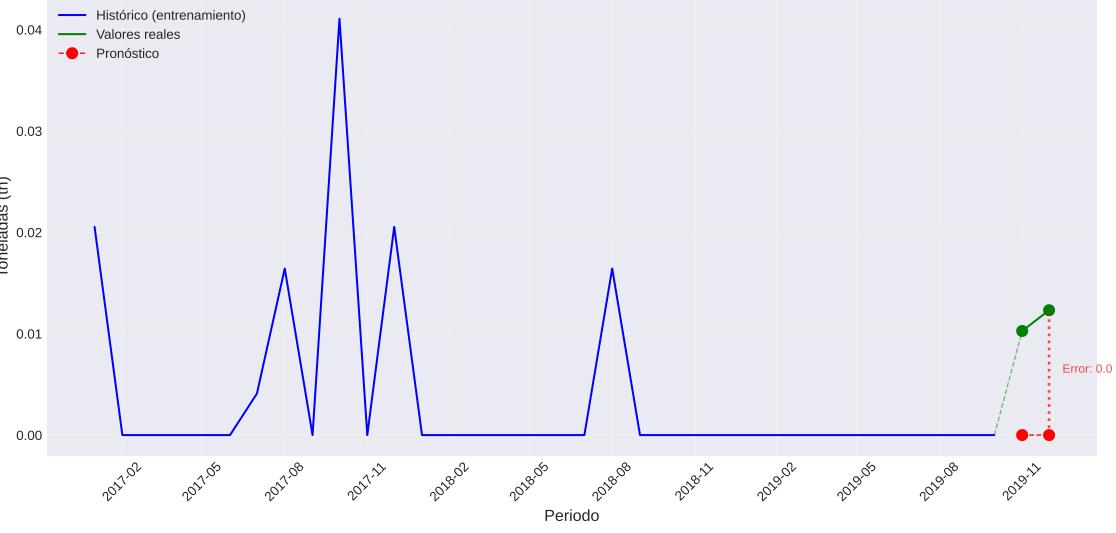
Producto: 20611 - Cliente: 10271



Producto: 20418 - Cliente: 10523

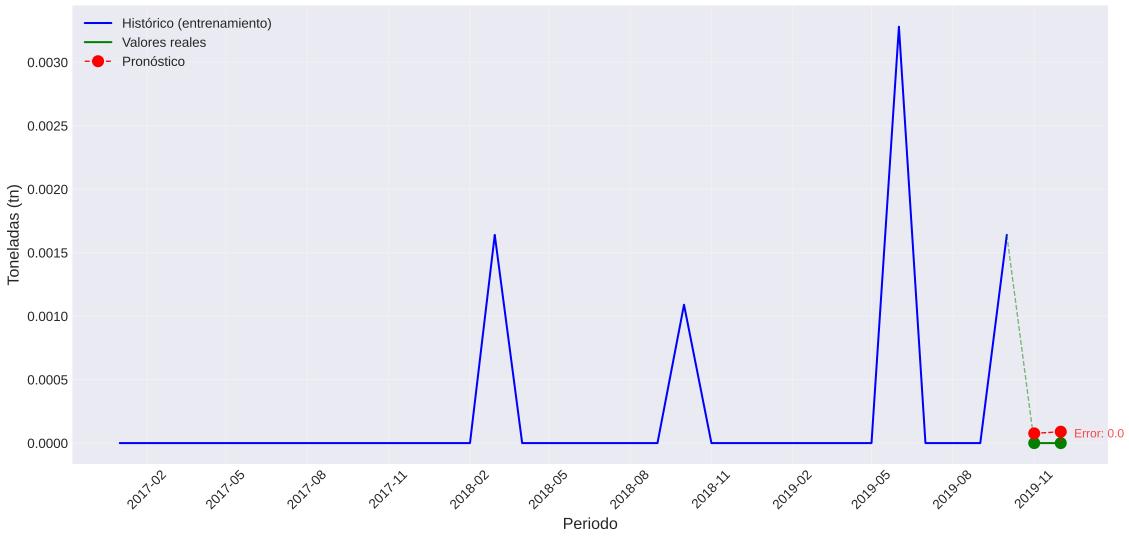


Producto: 20324 - Cliente: 10431 Histórico (entrenamiento) 0.04 Valores reales - Pronóstico 0.03 Toneladas (tn) 0.01



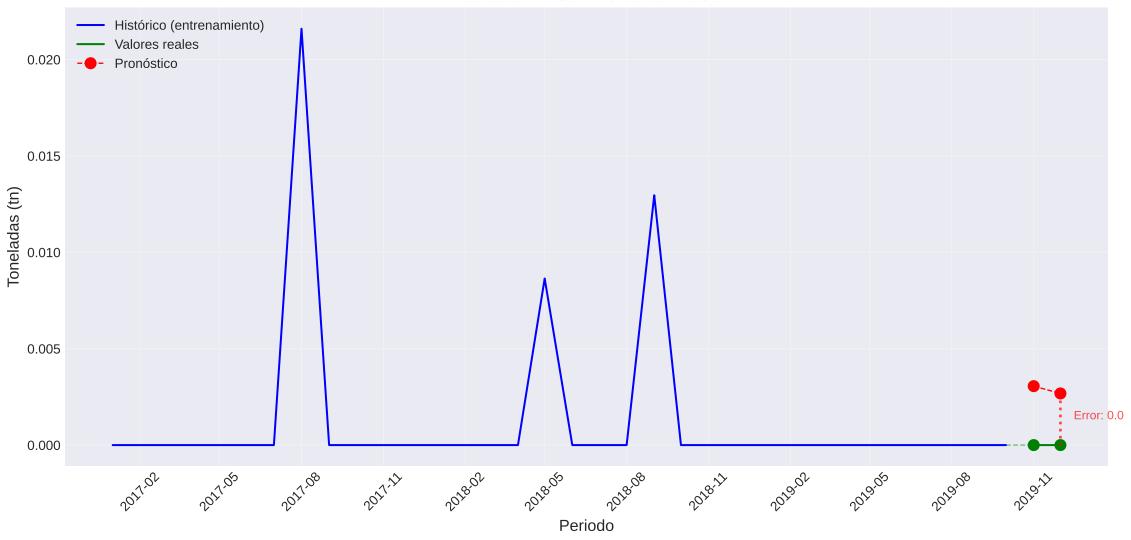
Producto: 20949 - Cliente: 10095 0.006 Histórico (entrenamiento) Valores reales Pronóstico 0.005 0.004 Toneladas (tn) 0.003 0.002 0.001 Error: 0.0 0.000 Periodo

Producto: 21014 - Cliente: 10267

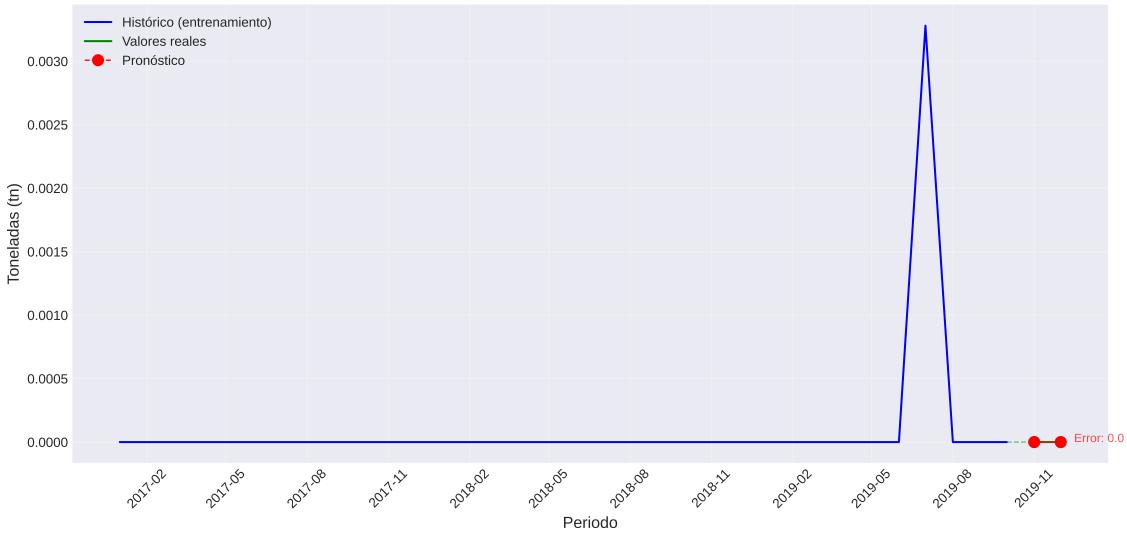


Producto: 20599 - Cliente: 10234 0.010 Histórico (entrenamiento) Valores reales - Pronóstico 0.008 Toneladas (tn) 900.0 900.0 0.002 Error: 0.0 0.000 Periodo

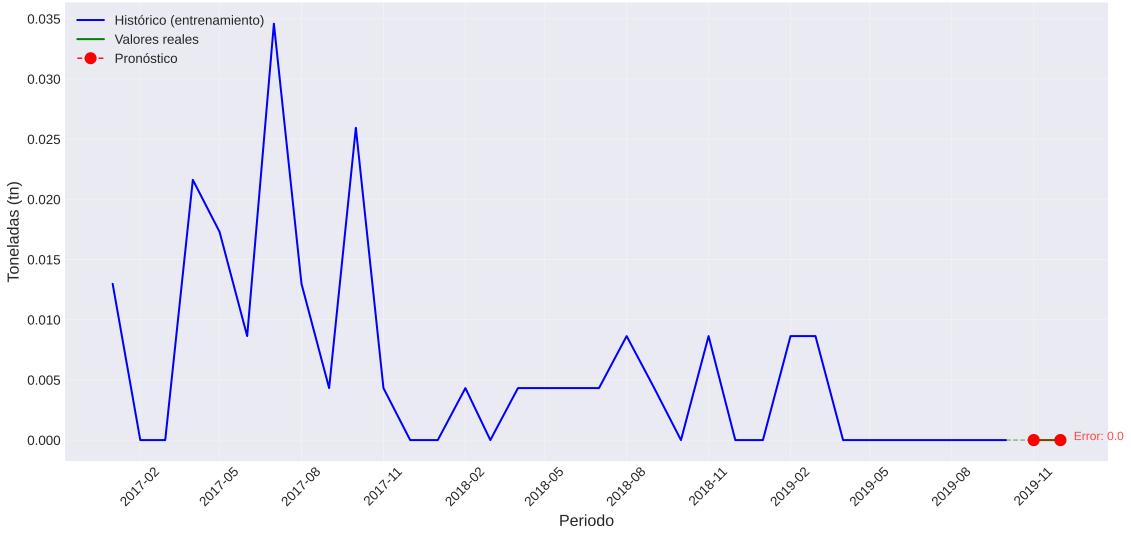
Producto: 20381 - Cliente: 10352



Producto: 20100 - Cliente: 10440



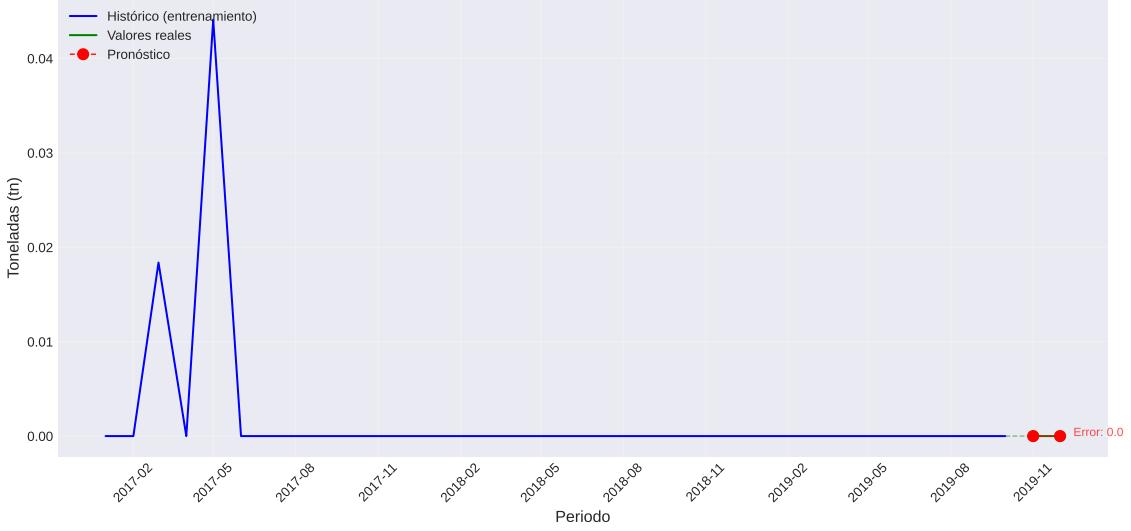
Producto: 20212 - Cliente: 10480



Producto: 20097 - Cliente: 10130 Histórico (entrenamiento) Valores reales 0.4 - Pronóstico 0.3 Toneladas (tn) 0.1 Error: 0.0 0.0

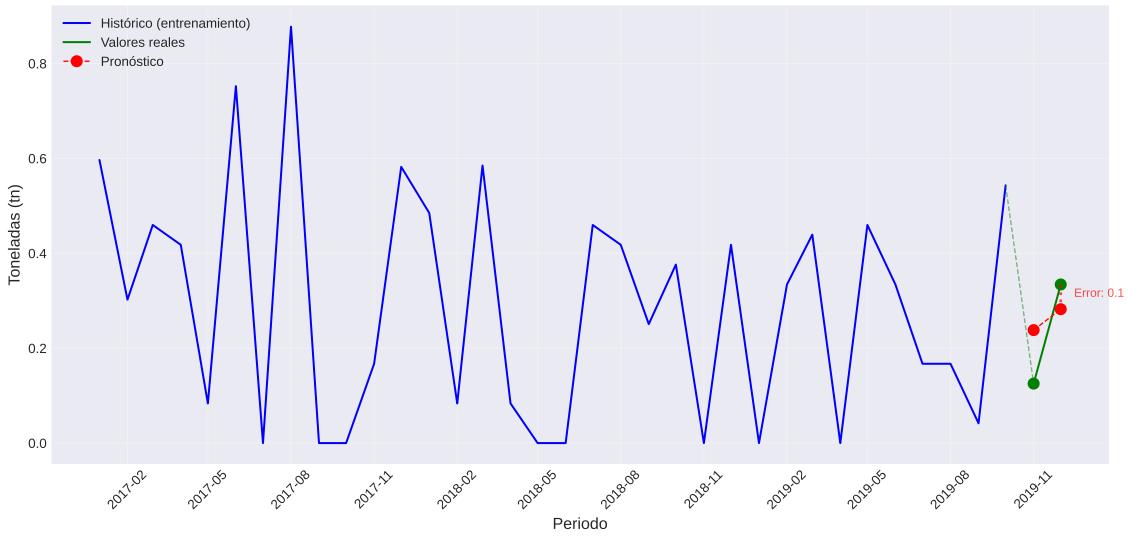
Periodo

Producto: 20193 - Cliente: 10548

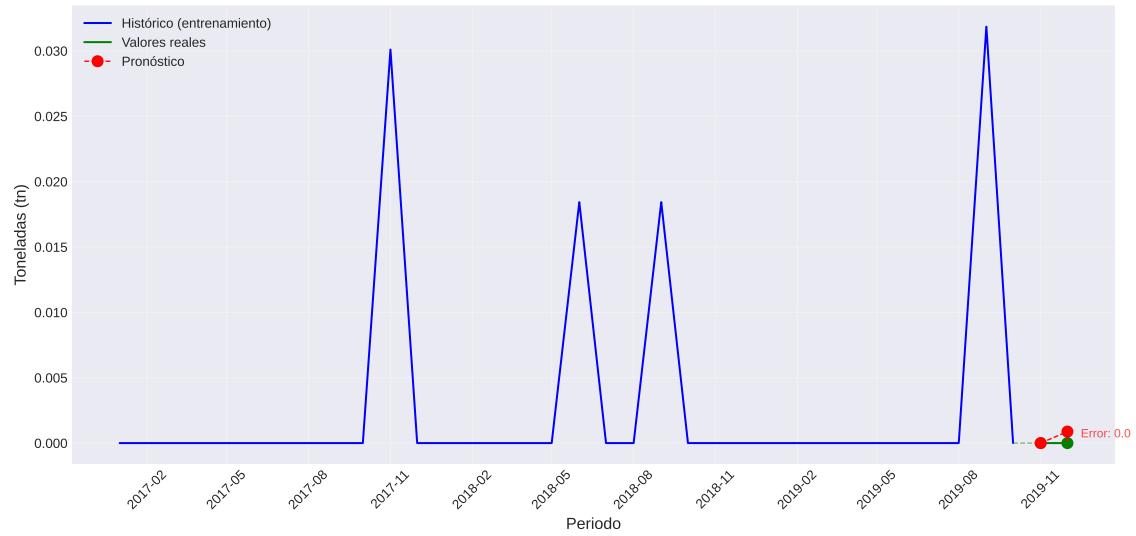


Producto: 20715 - Cliente: 10416 0.0035 Histórico (entrenamiento) Valores reales - Pronóstico 0.0030 0.0025 Toneladas (tn) 0.0020 0.0010 0.0005 **1** Error: 0.0 0.0000 Periodo

Producto: 20500 - Cliente: 10012



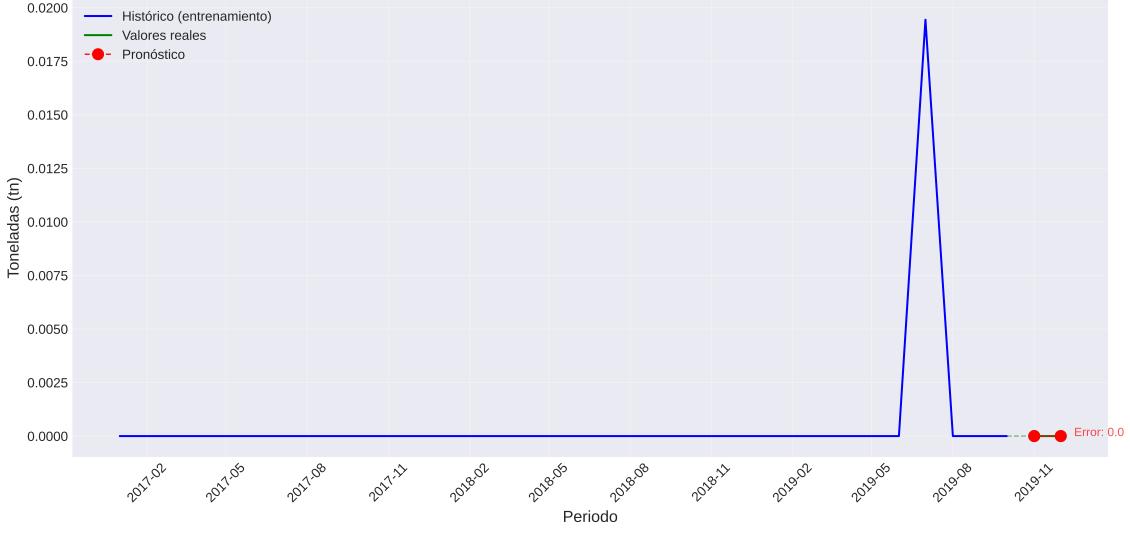
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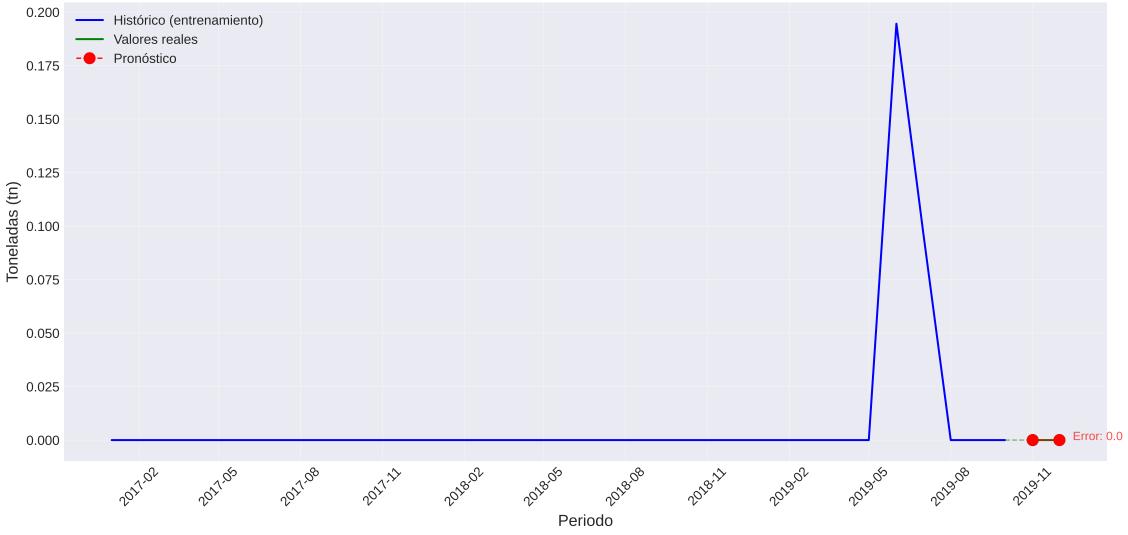
Producto: 20211 - Cliente: 10245 Histórico (entrenamiento) 0.175 Valores reales - Pronóstico 0.150 0.125 Toneladas (tn) 0.0100 0.002 0.050 0.025 Error: 0.0 0.000

Periodo

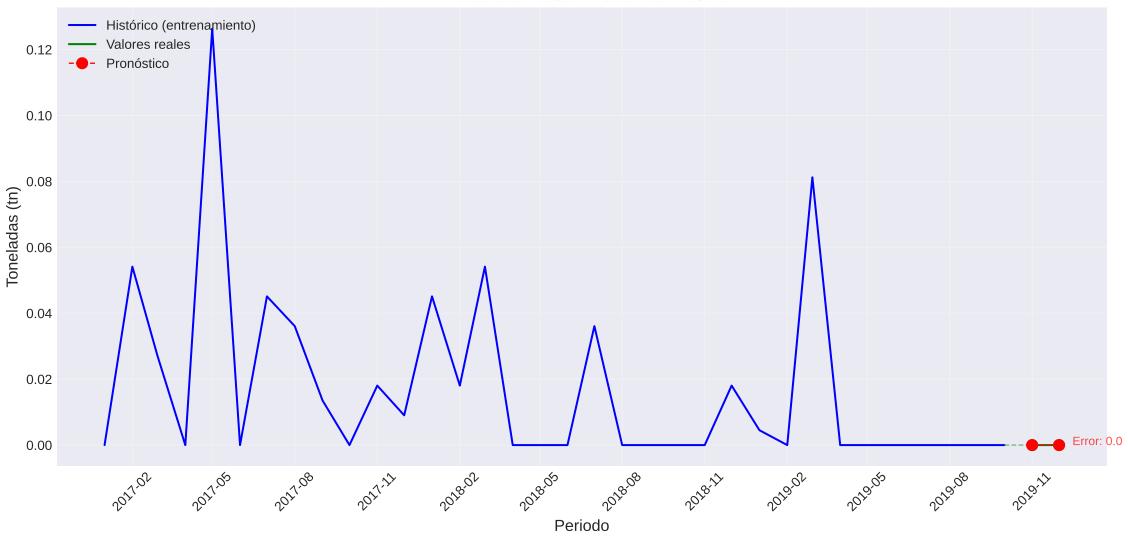
Producto: 20720 - Cliente: 10164



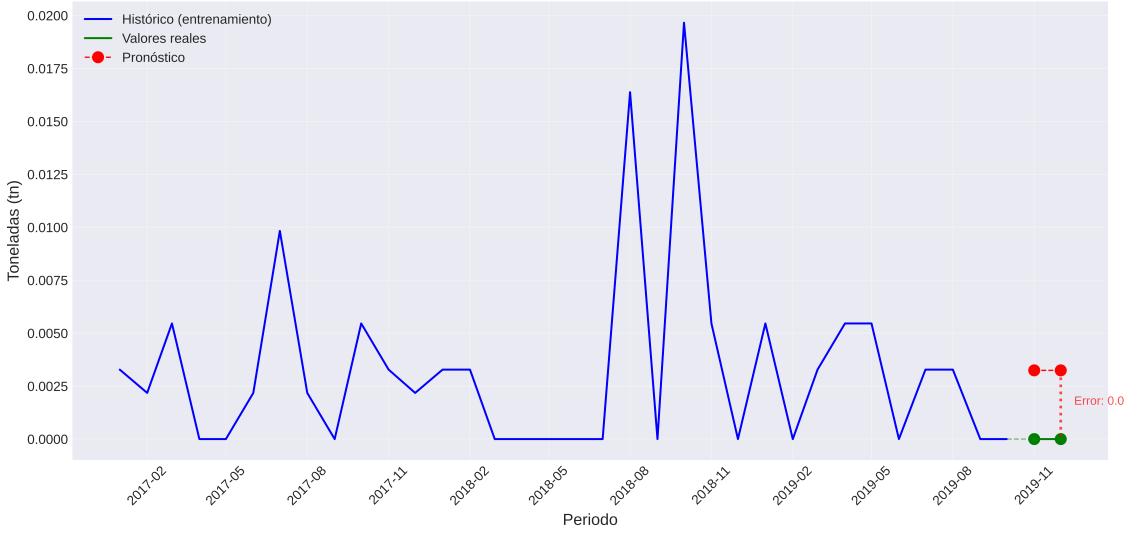
Producto: 20531 - Cliente: 10109



Producto: 20352 - Cliente: 10326

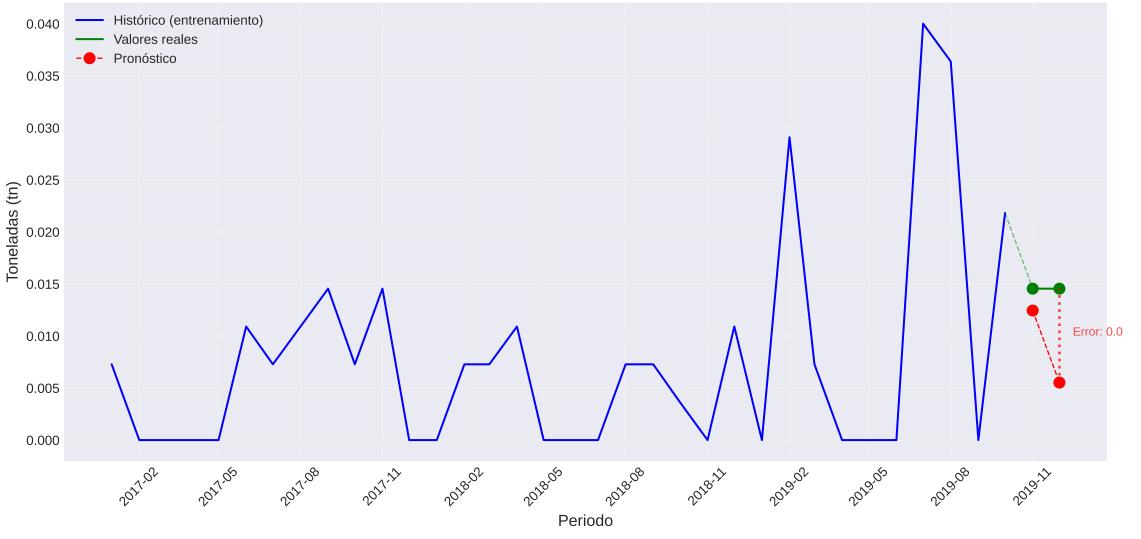


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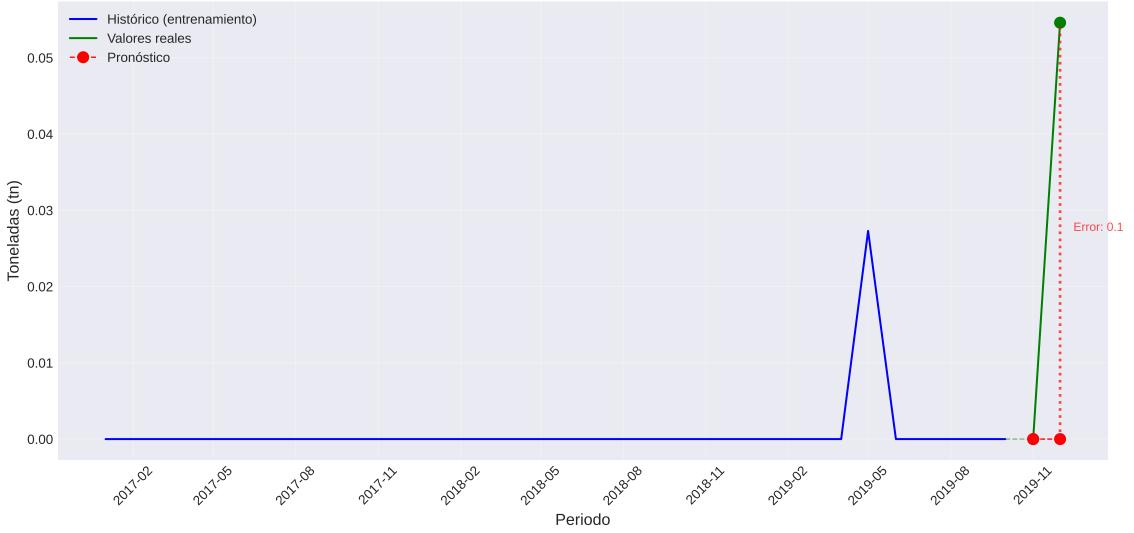


Producto: 20530 - Cliente: 10138 Histórico (entrenamiento) 0.175 Valores reales - Pronóstico 0.150 0.125 Toneladas (tn) 0.000 0.050 0.025 Error: 0.0 0.000 Periodo

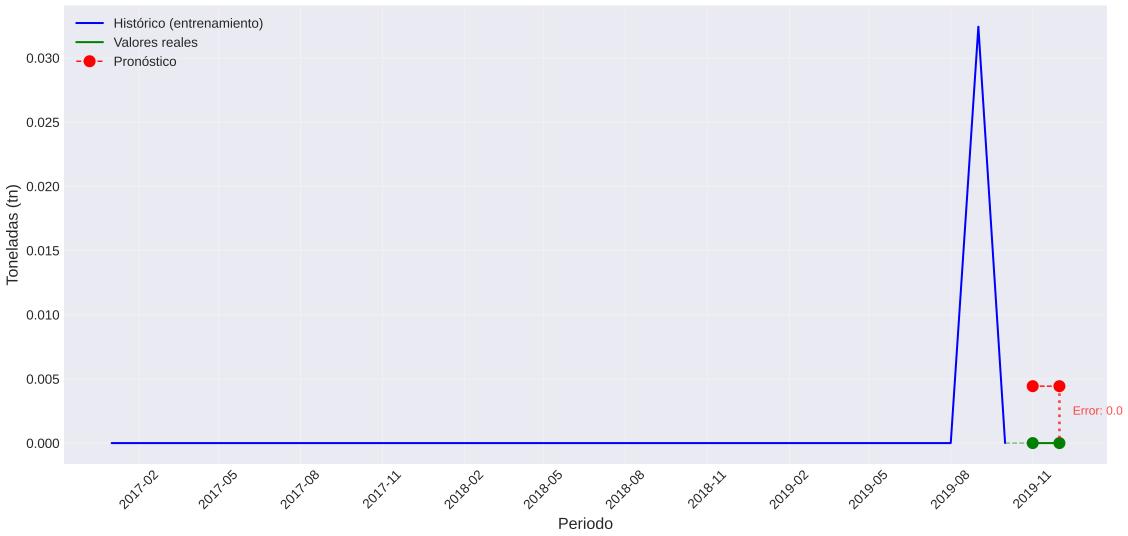
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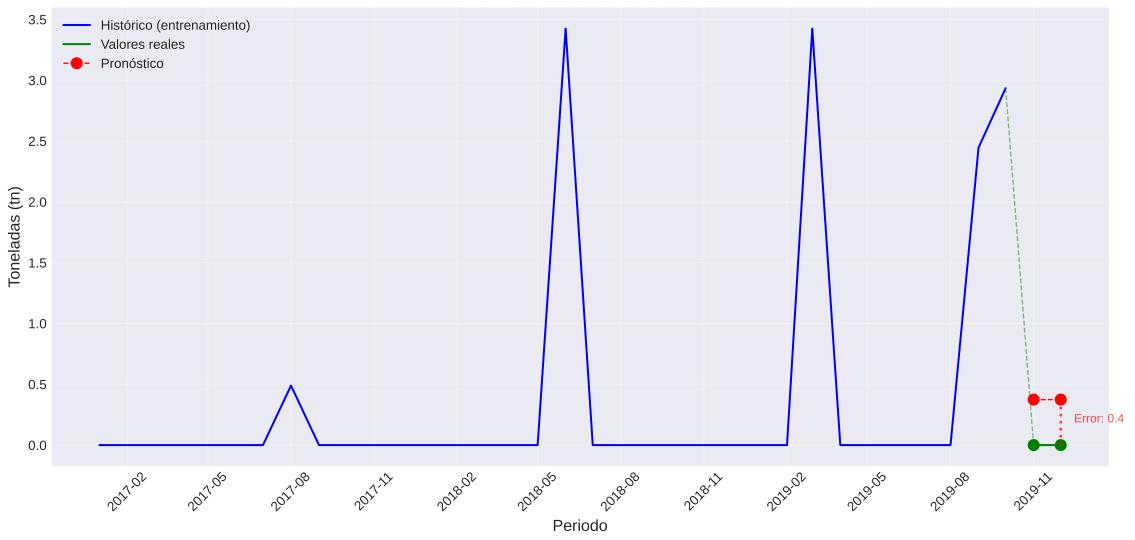
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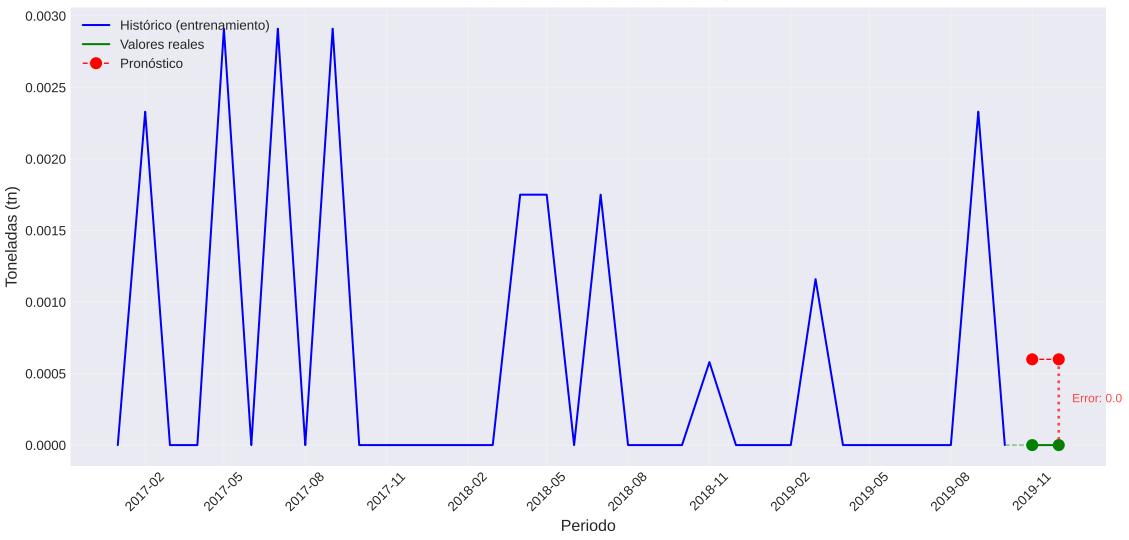
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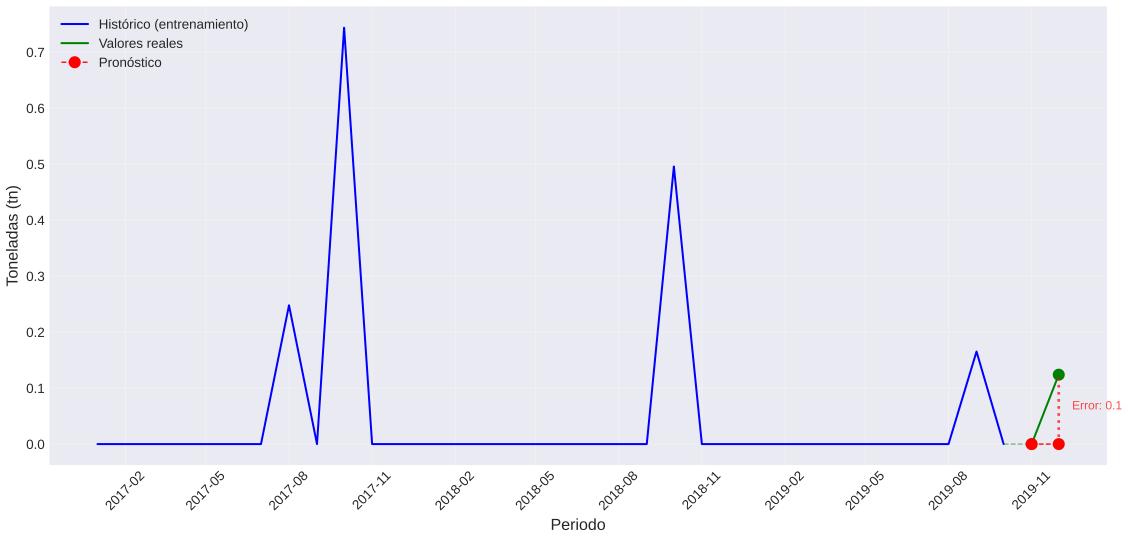
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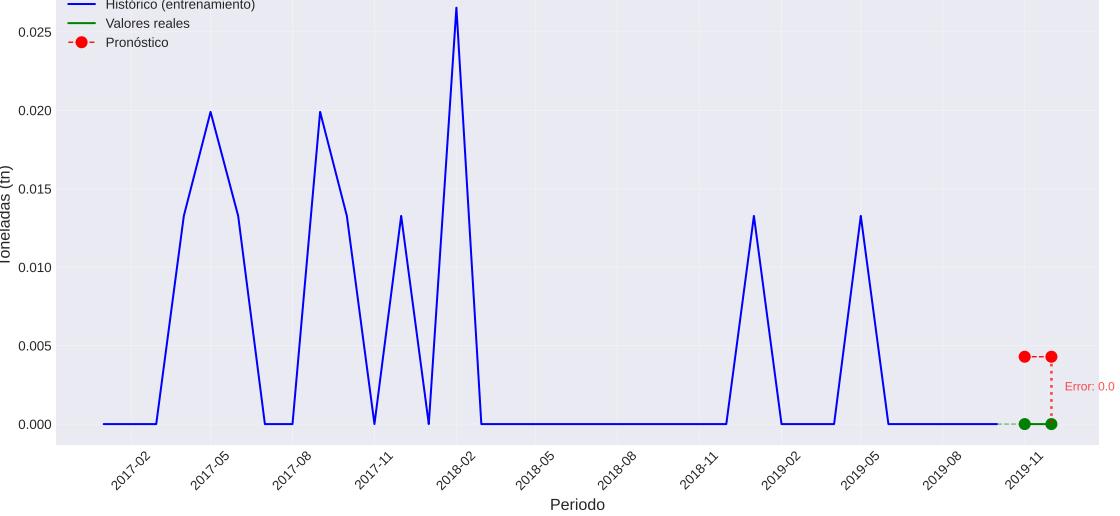
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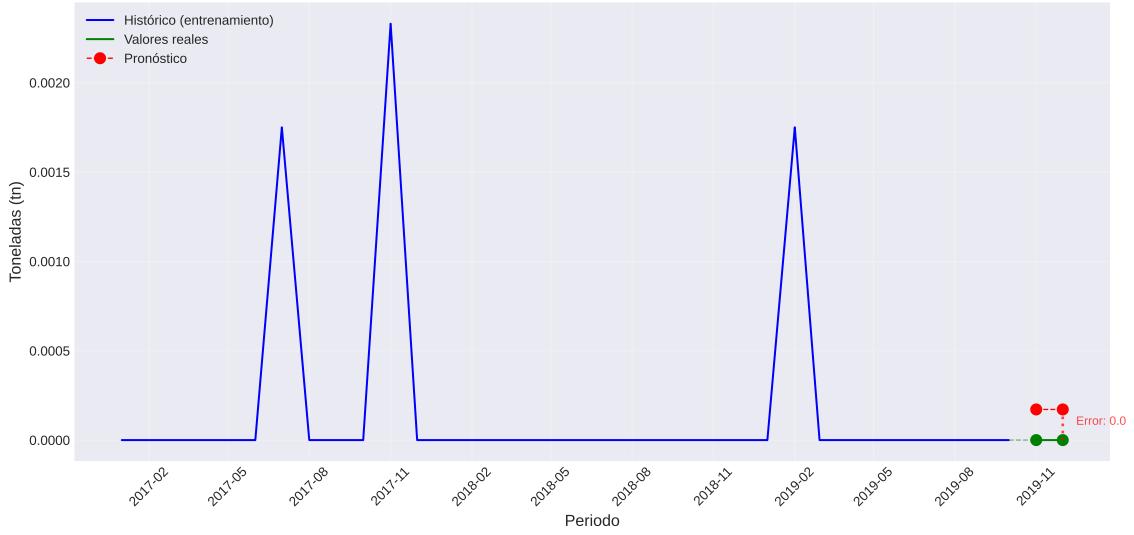
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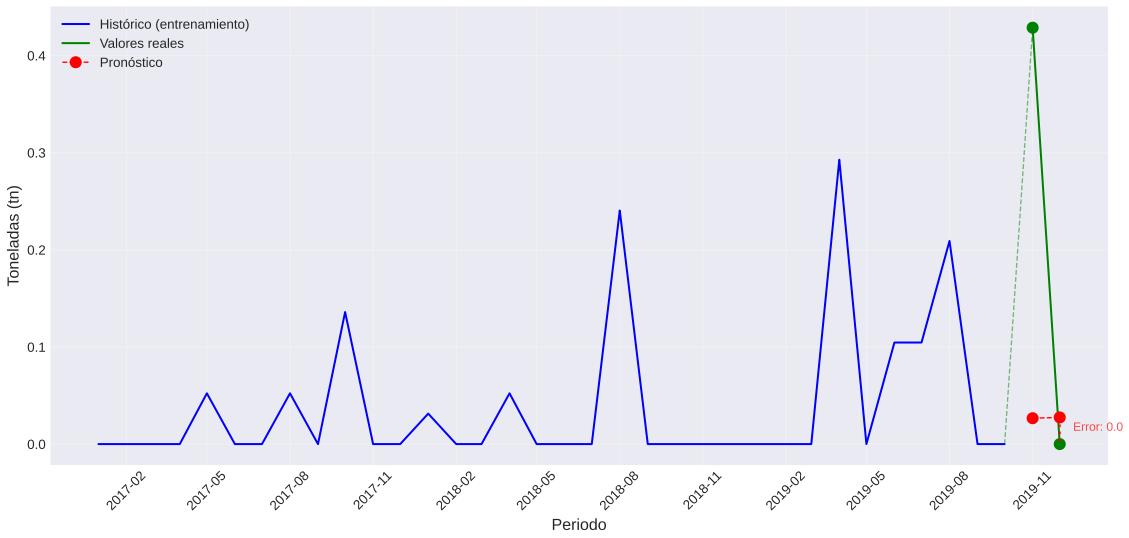
Producto: 20061 - Cliente: 10451 Histórico (entrenamiento) Valores reales 0.025 Pronóstico 0.020 Toneladas (tn) 210°0 210°0 0.010



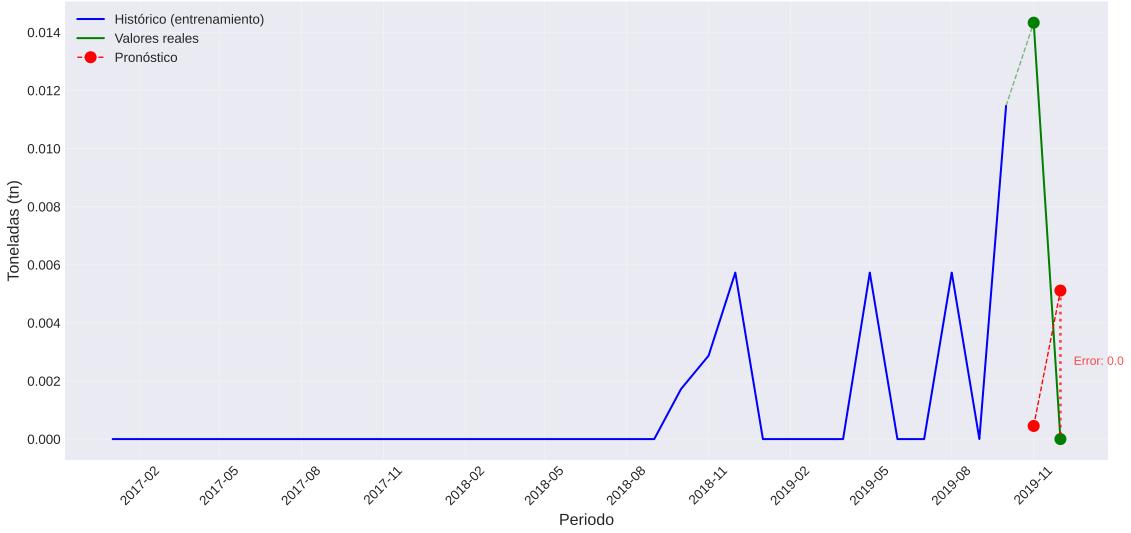
Producto: 20735 - Cliente: 10469



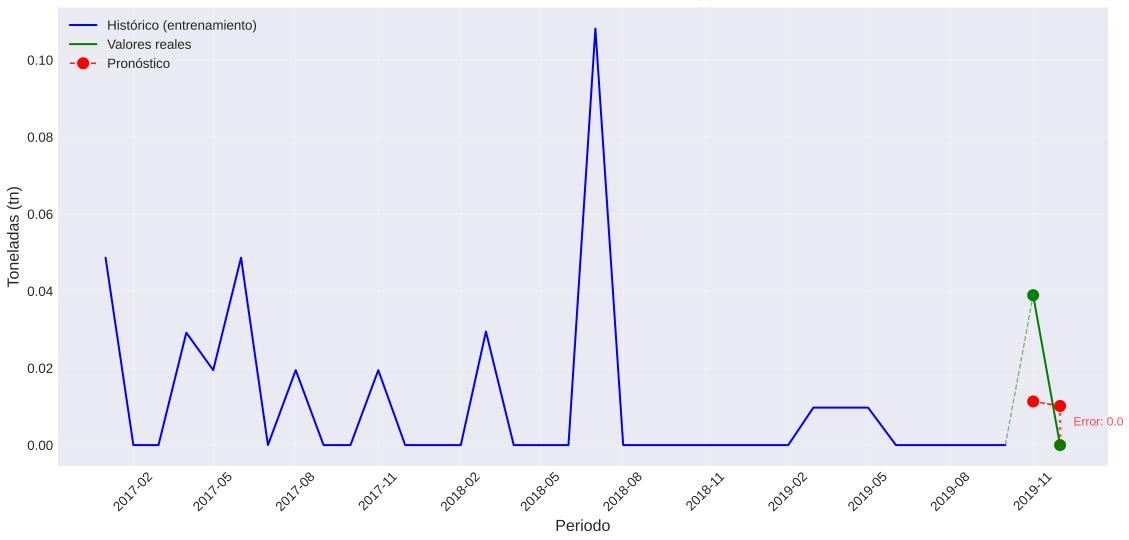
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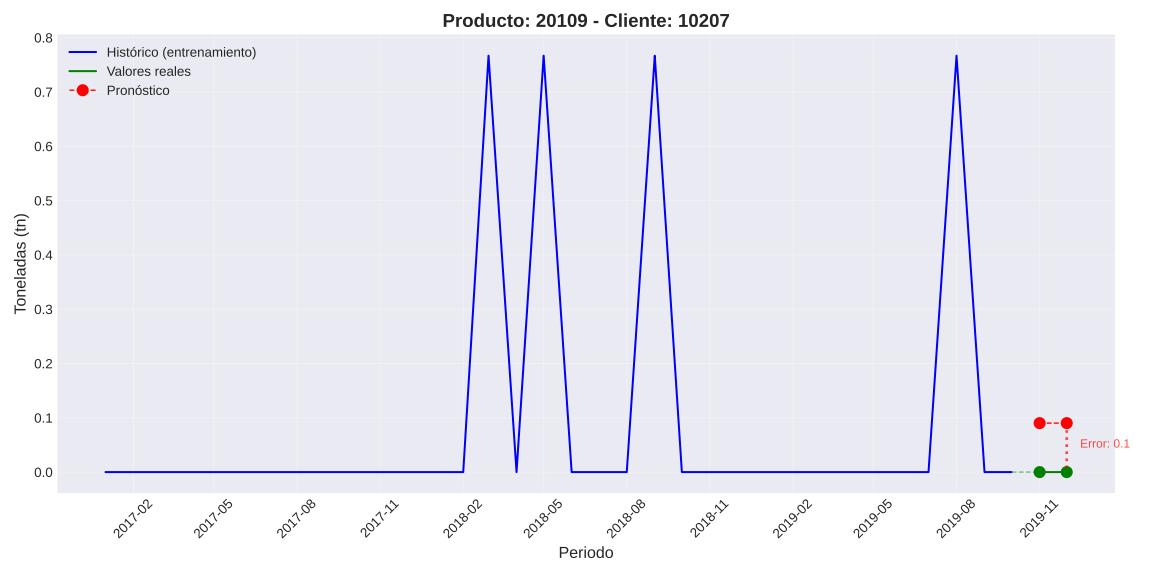


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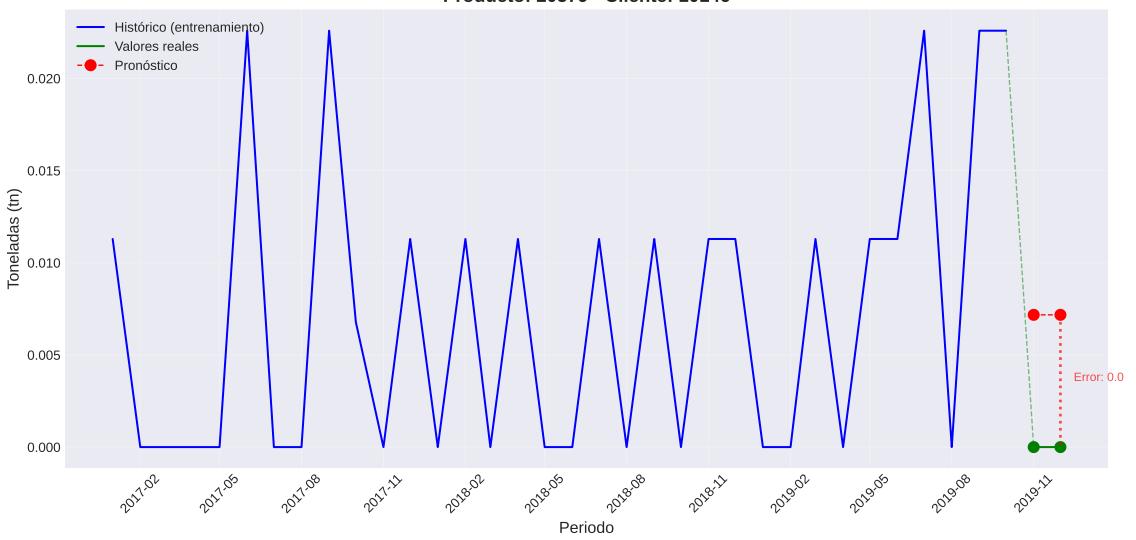


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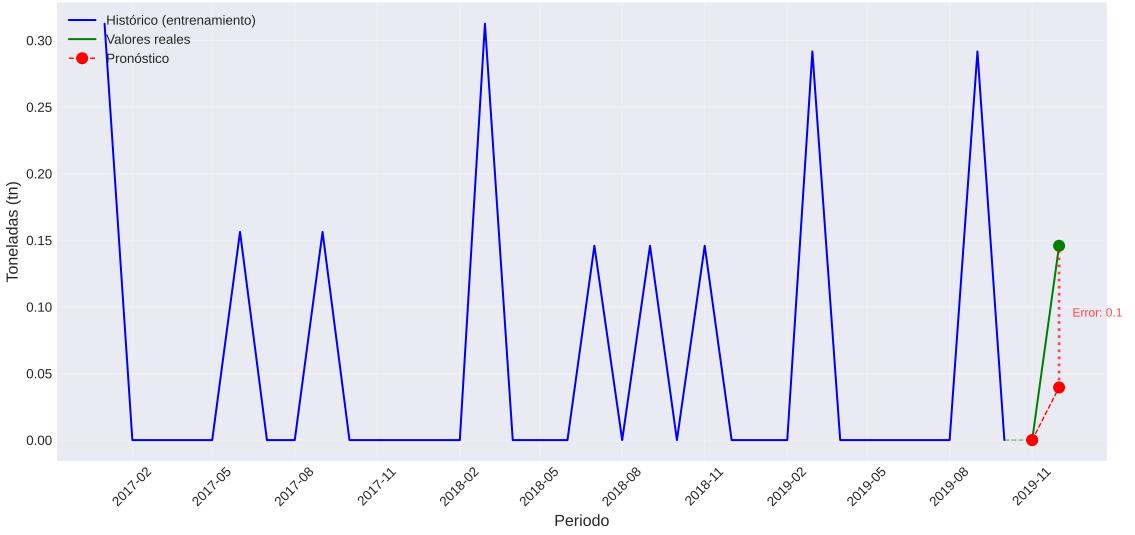




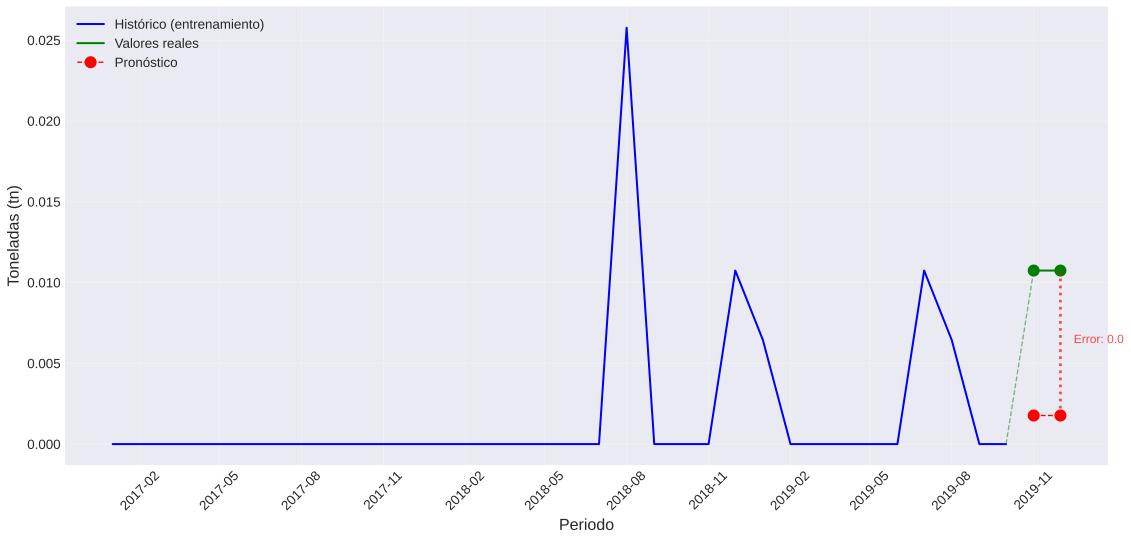
Producto: 20579 - Cliente: 10146



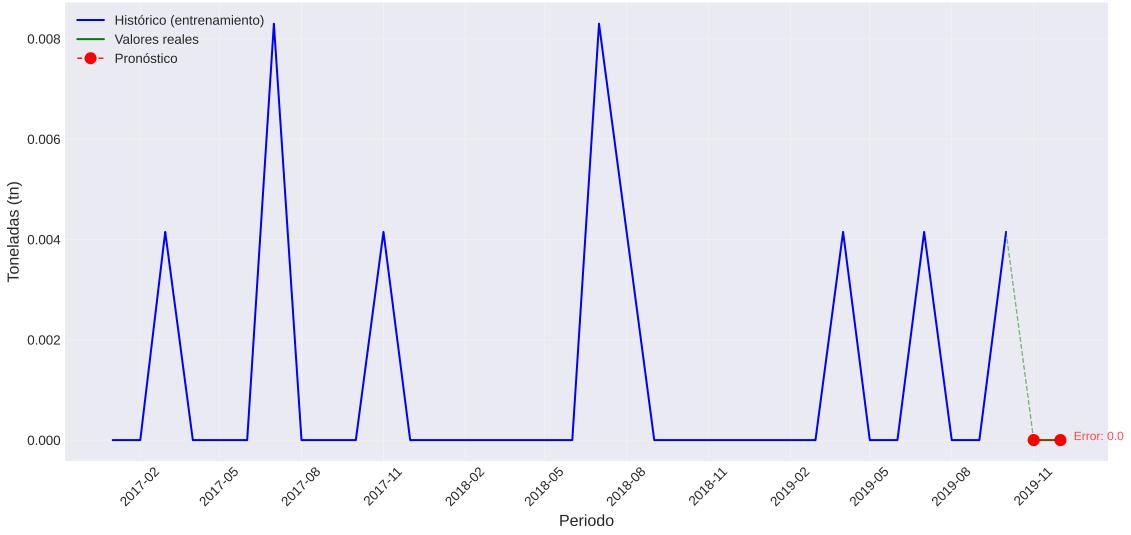
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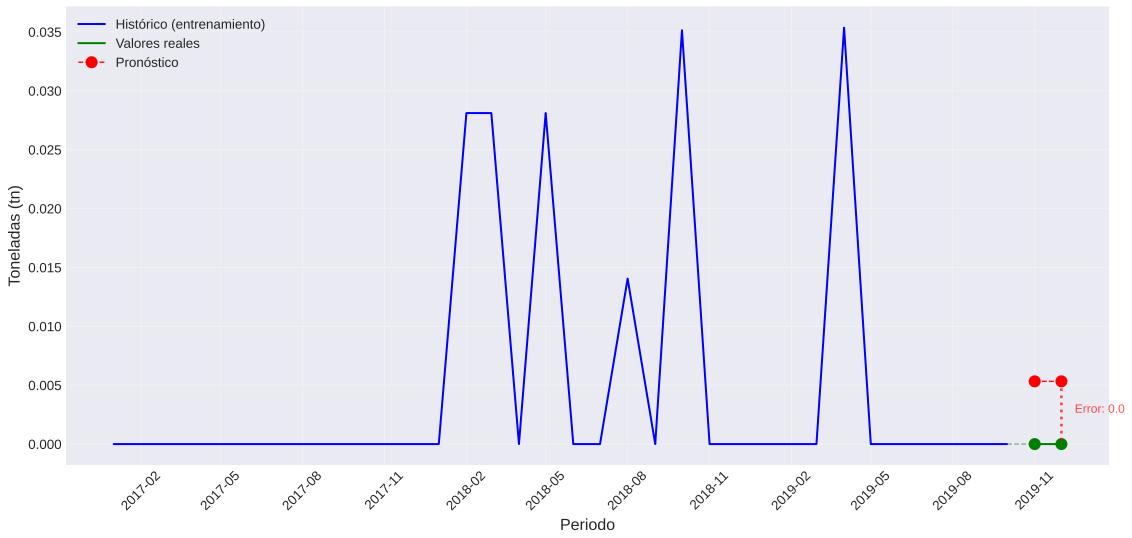
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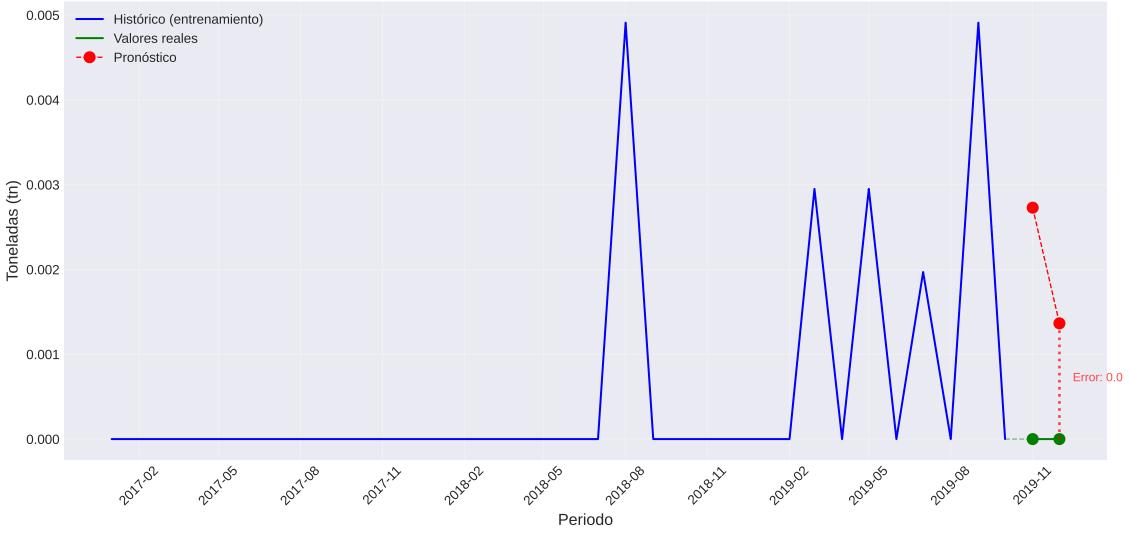
Producto: 20641 - Cliente: 10364



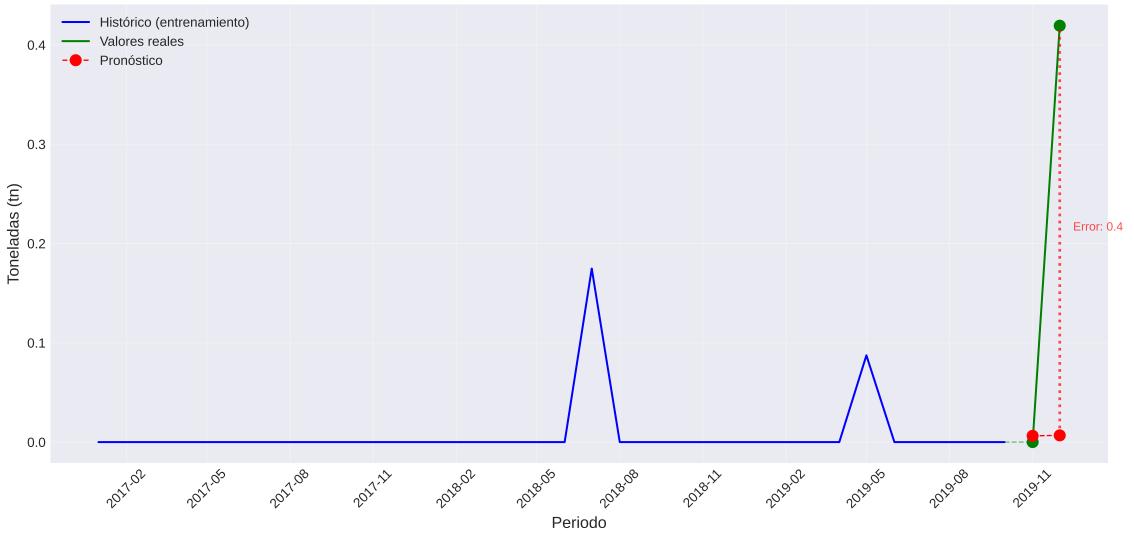
Producto: 20348 - Cliente: 10312



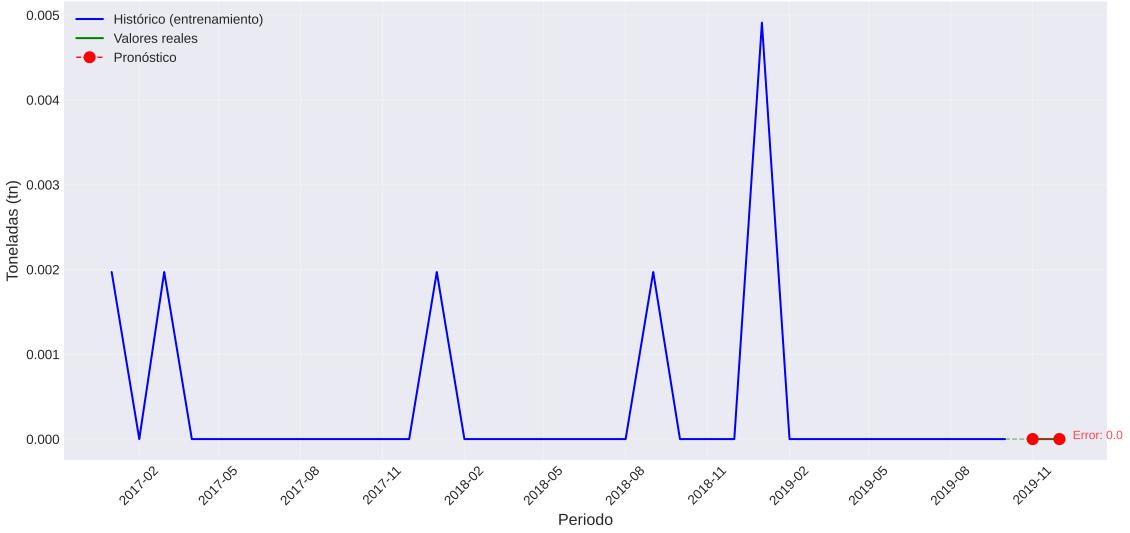
Producto: 20542 - Cliente: 10161

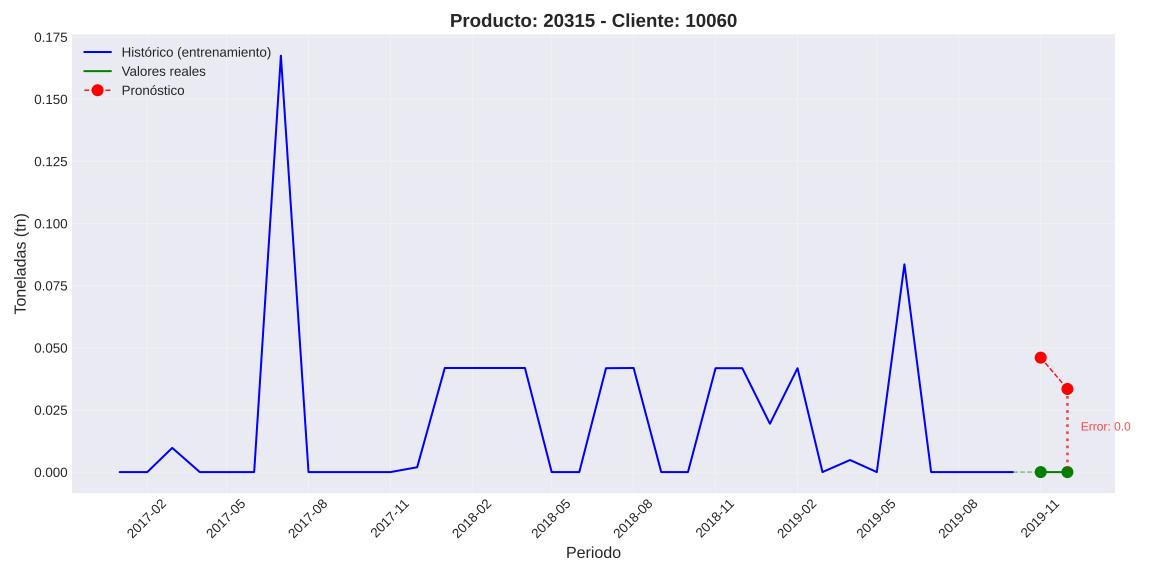


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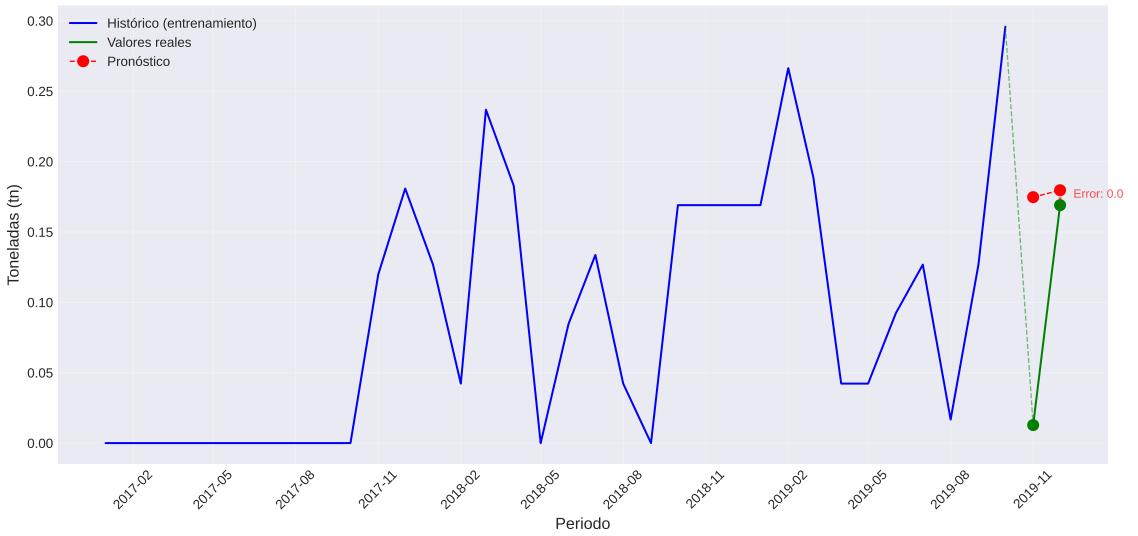


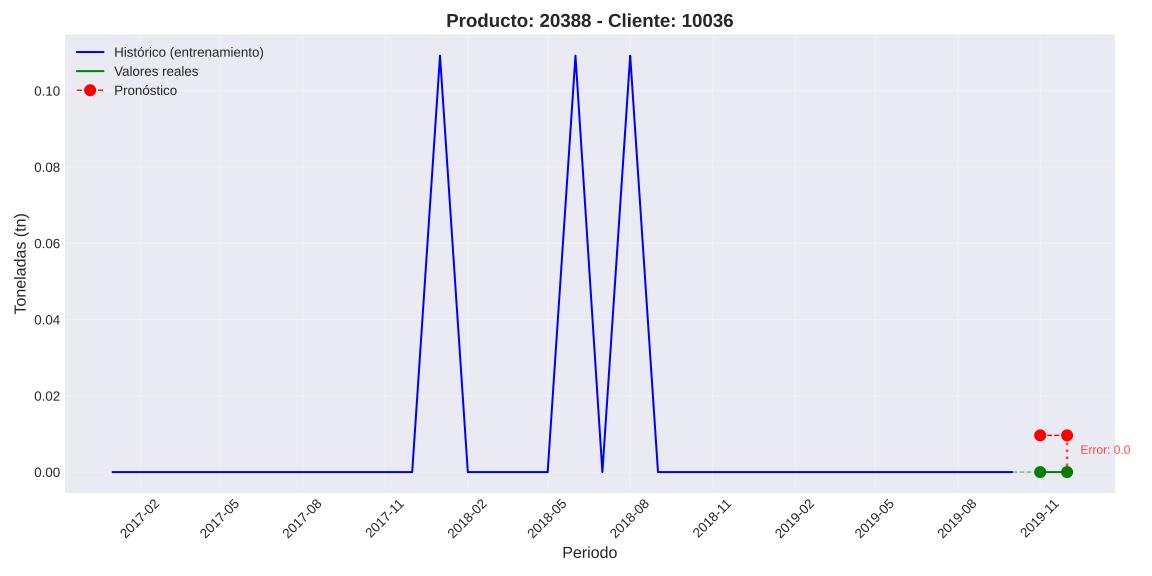
Producto: 20316 - Cliente: 10413



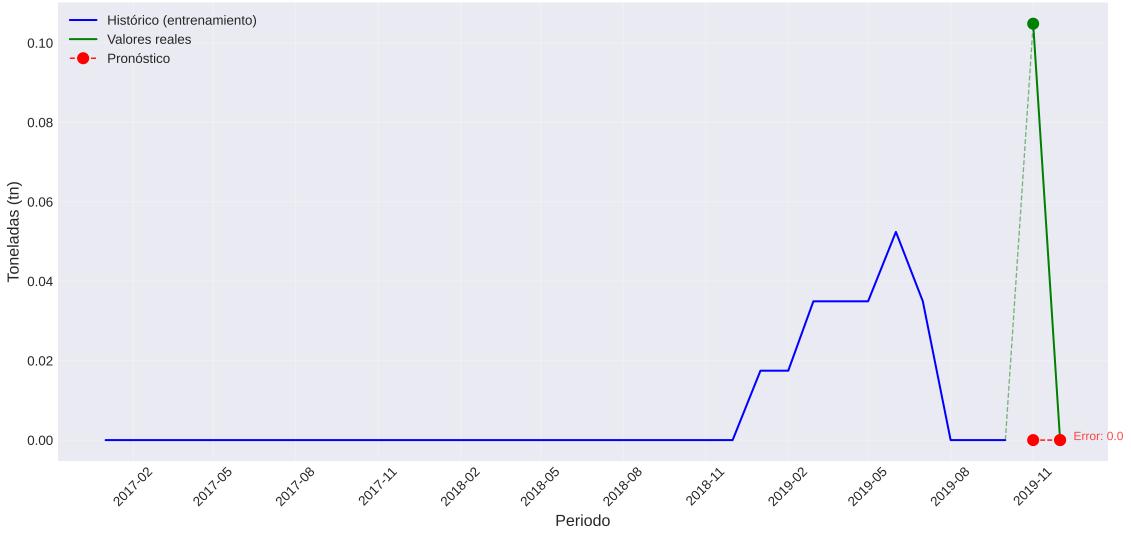


Producto: 20542 - Cliente: 10017

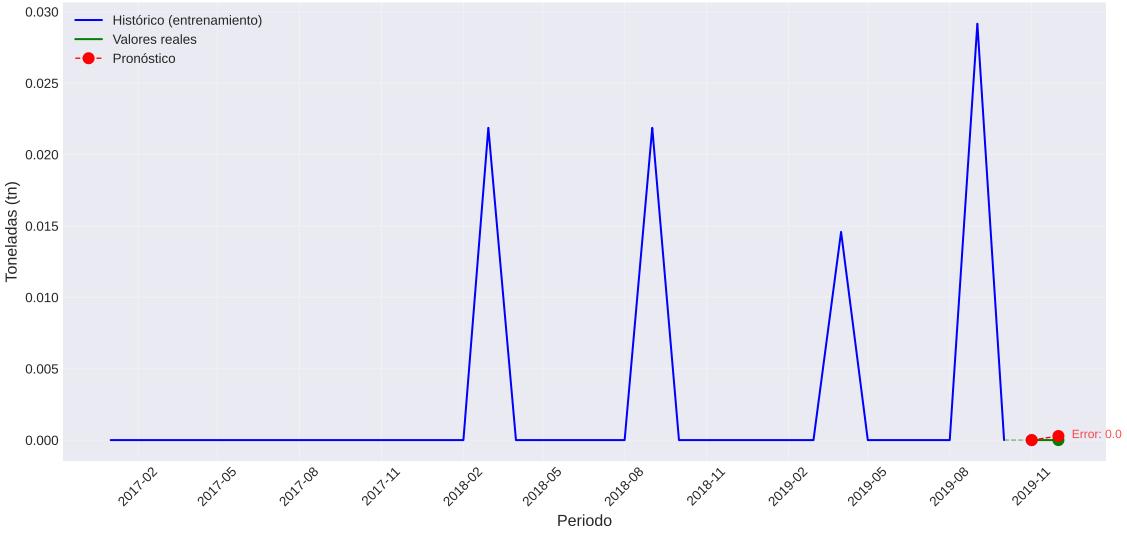




Producto: 20460 - Cliente: 10051



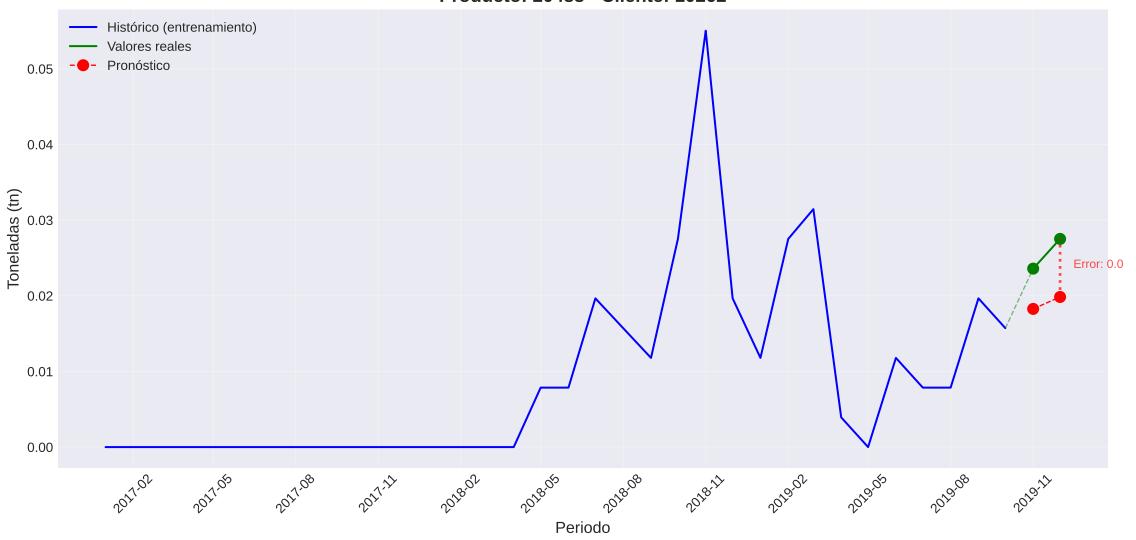
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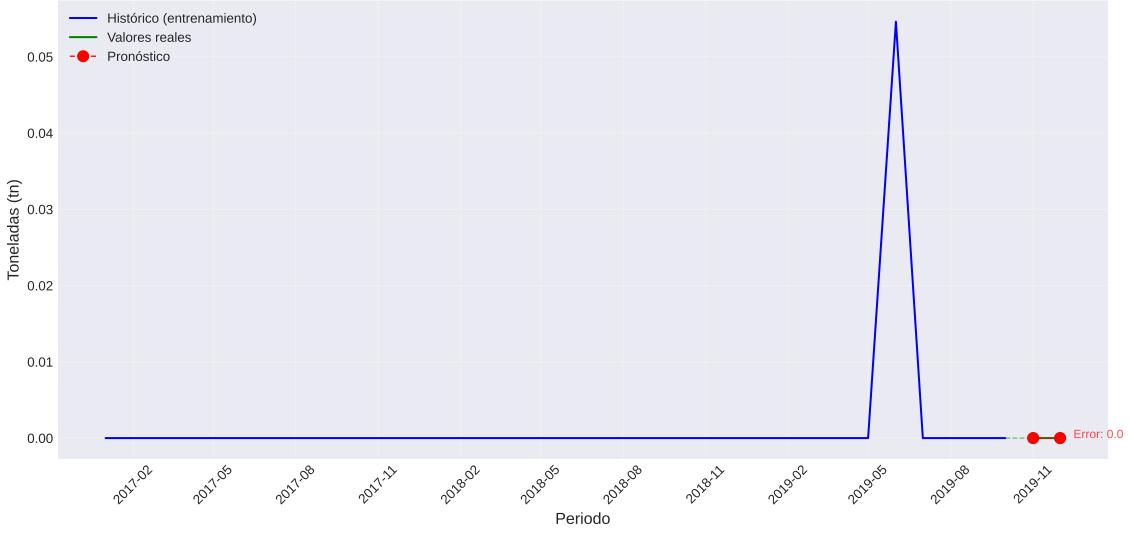
Producto: 21180 - Cliente: 10098 Histórico (entrenamiento) Valores reales - Pronóstico 0.025 0.020 Toneladas (tn) 0.010 0.005 Error: 0.0 0.000

Periodo

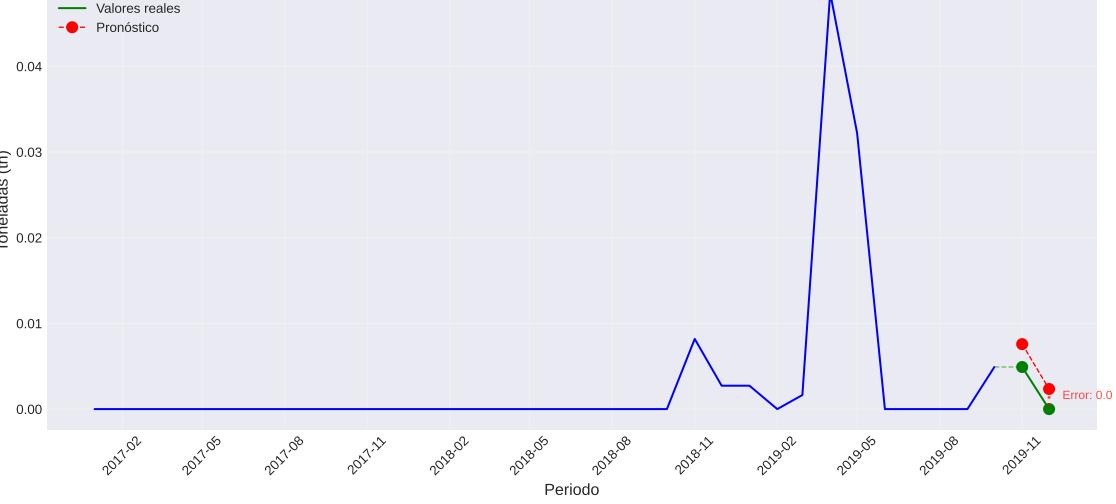
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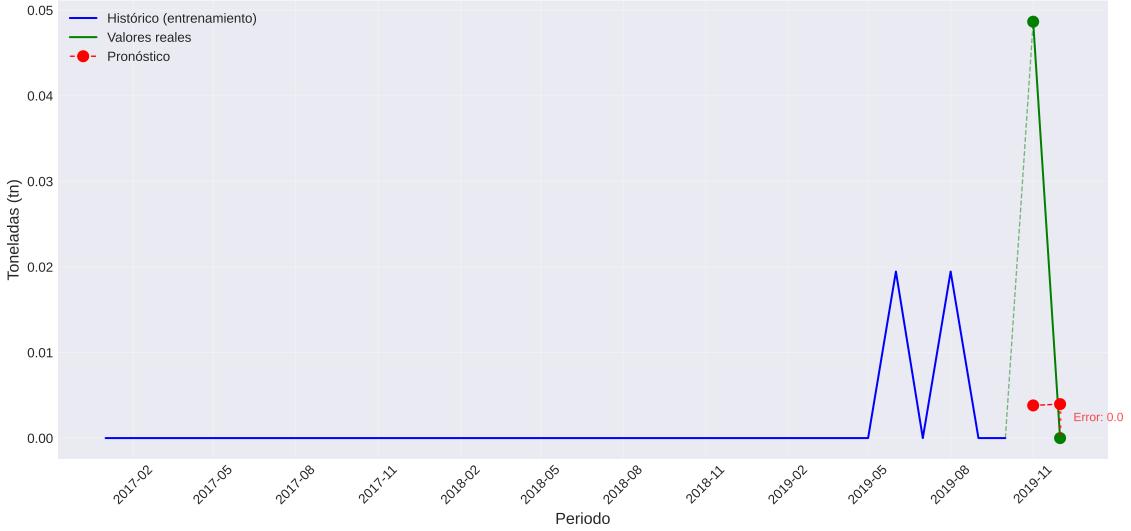
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Producto: 21084 - Cliente: 10033 0.05 Histórico (entrenamiento) Valores reales Pronóstico 0.04 Toneladas (tn)



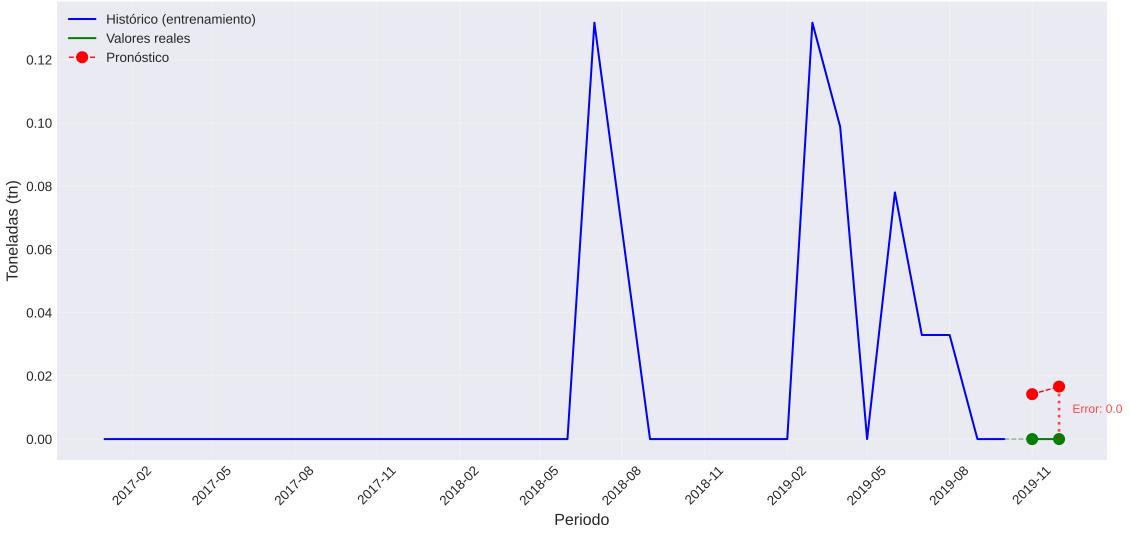
Producto: 20007 - Cliente: 10584



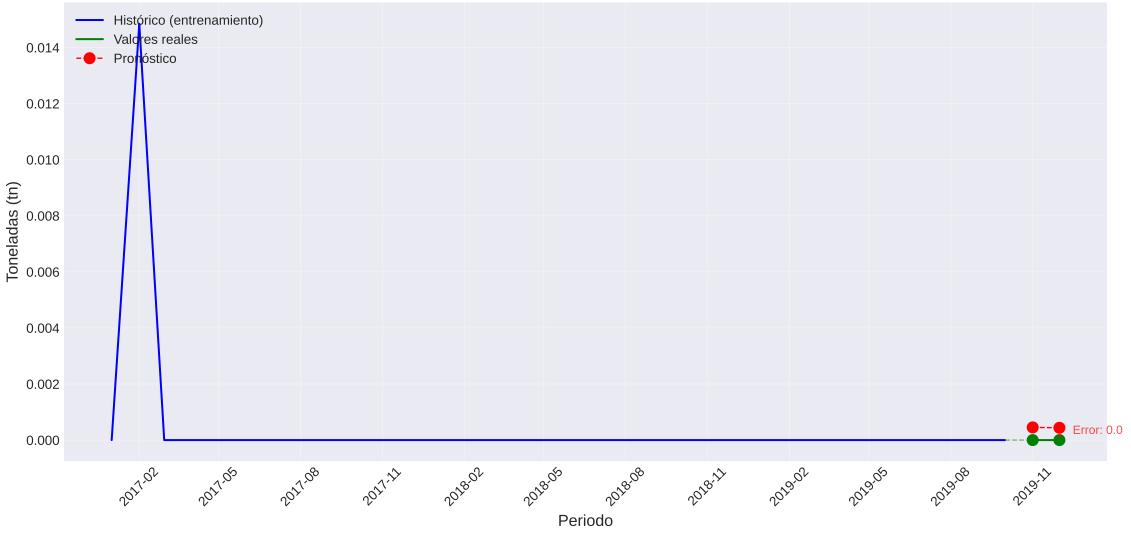
Producto: 20641 - Cliente: 10259 Histórico (entrenamiento) 0.008 Valores reales - Pronóstico 0.006 Toneladas (tn) 0.002 Error: 0.0 0.000

Periodo

Producto: 20685 - Cliente: 10074

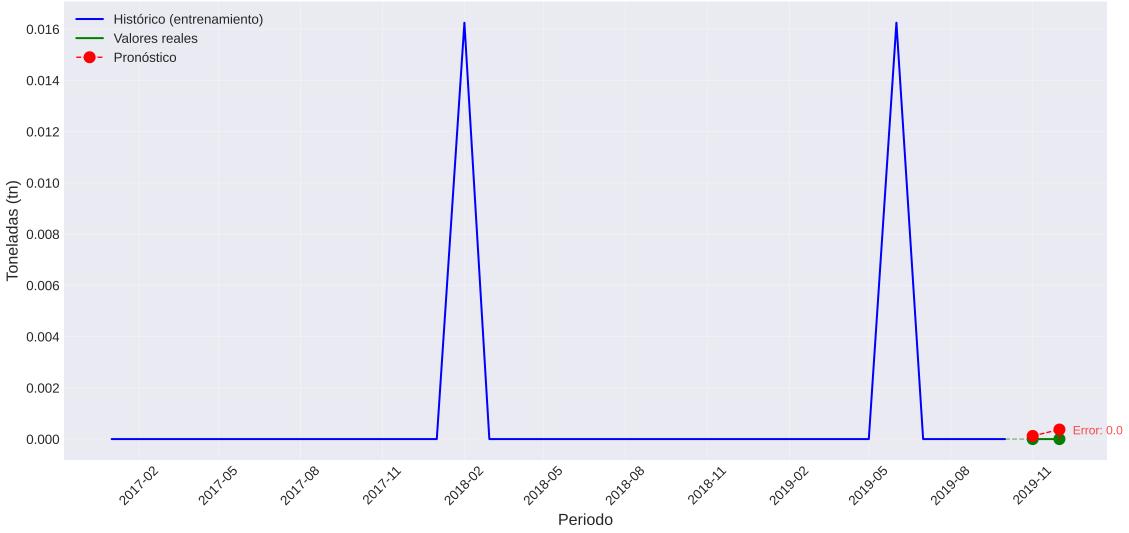


Producto: 20077 - Cliente: 10281

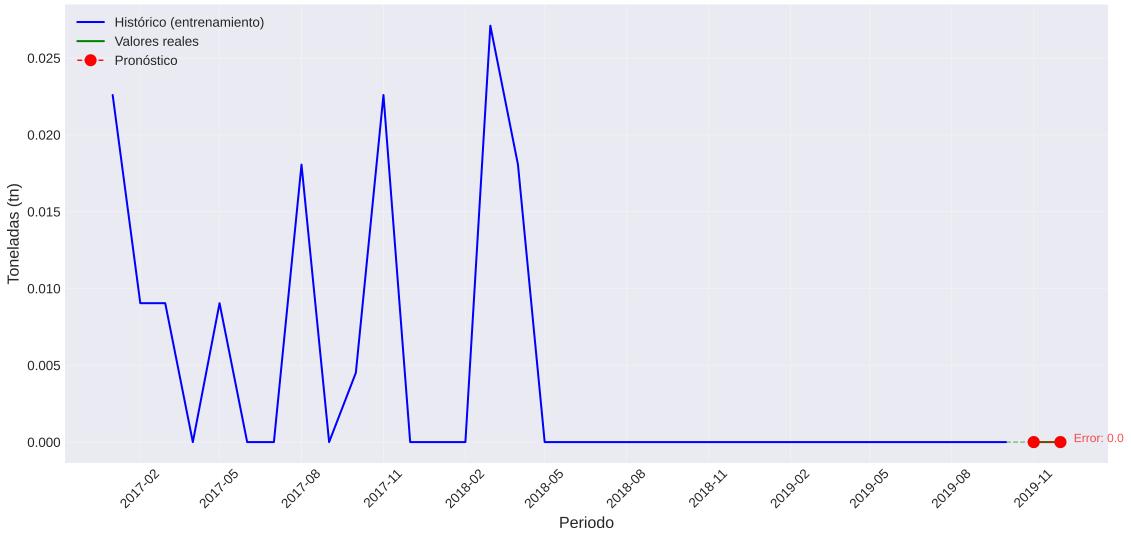


Producto: 20642 - Cliente: 10349 Histórico (entrenamiento) 0.014 Valores reales - Pronóstico 0.012 0.010 Toneladas (tn)
.0
.0
800.0 0.004 0.002 Error: 0.0 0.000 Periodo

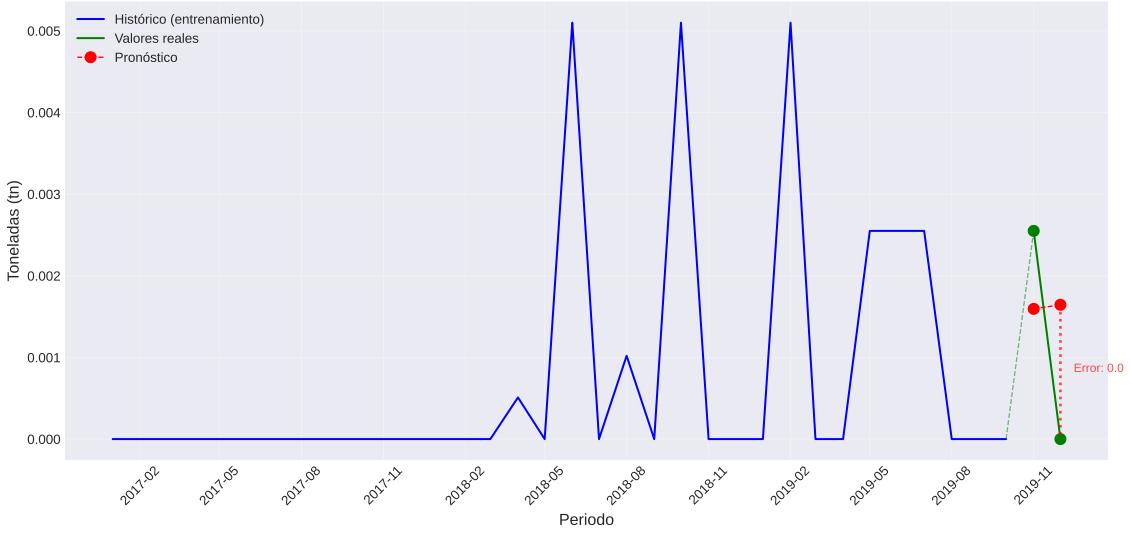
Producto: 20949 - Cliente: 10126



Producto: 20470 - Cliente: 10104



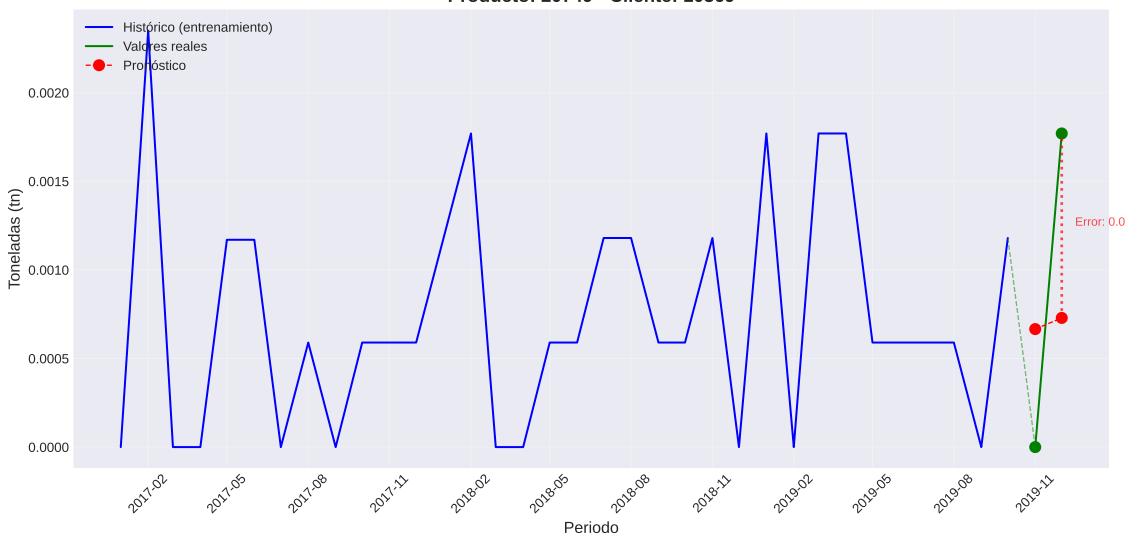
Producto: 20729 - Cliente: 10273



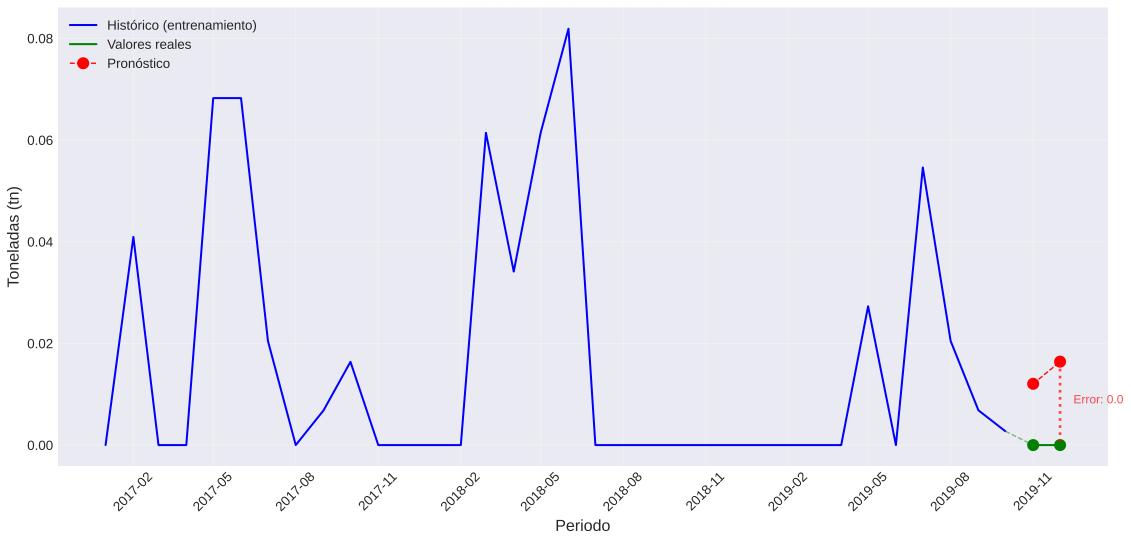
Producto: 20215 - Cliente: 10272 Histórico (entrenamiento) 0.14 Valores reales - Pronóstico 0.12 0.10 Toneladas (tn) 0.04 0.02 0.00

Periodo

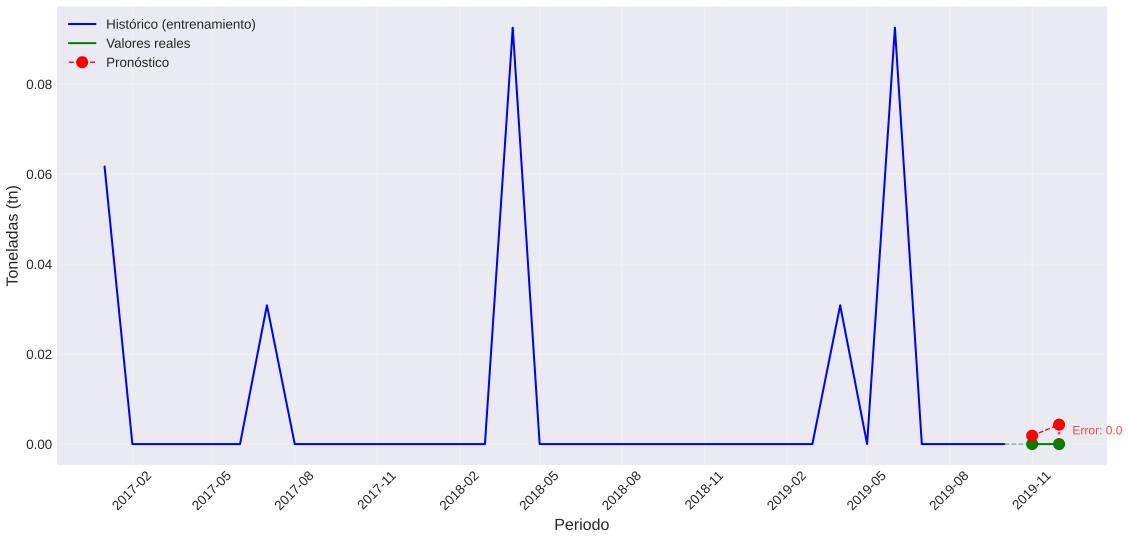
Producto: 20749 - Cliente: 10369



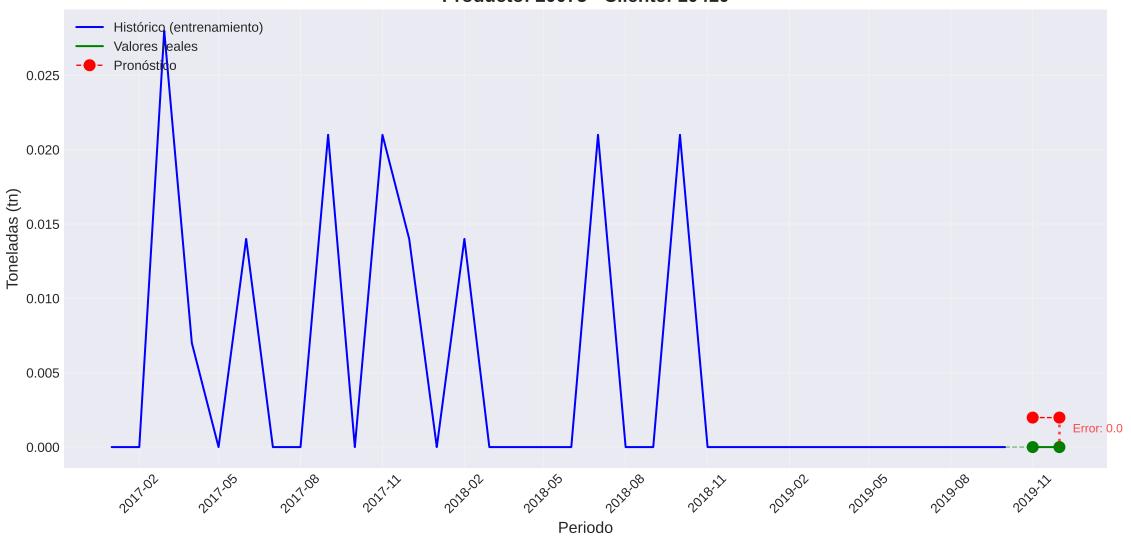
Producto: 20597 - Cliente: 10090



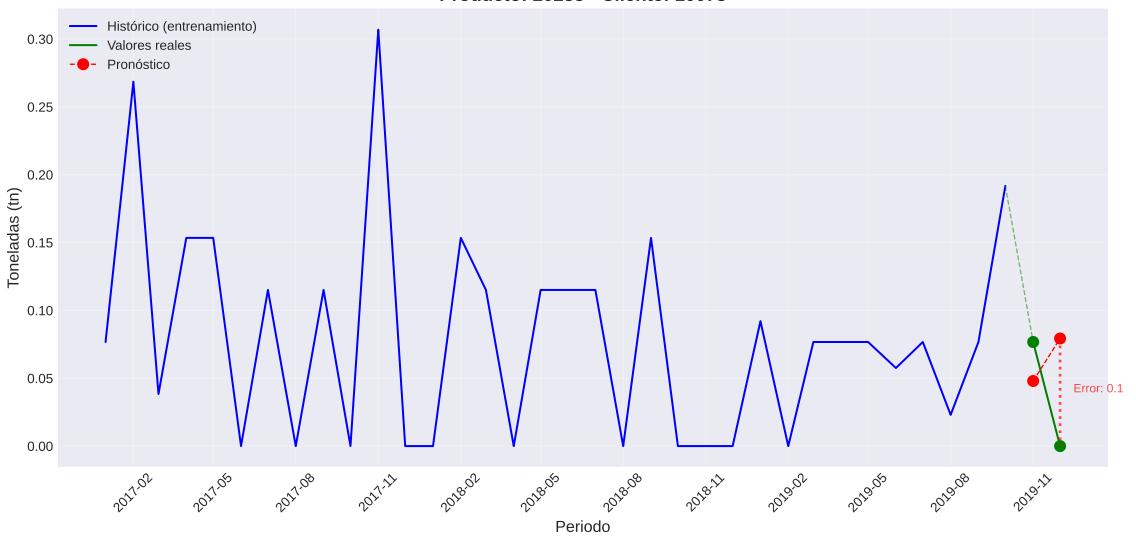
Producto: 20281 - Cliente: 10147

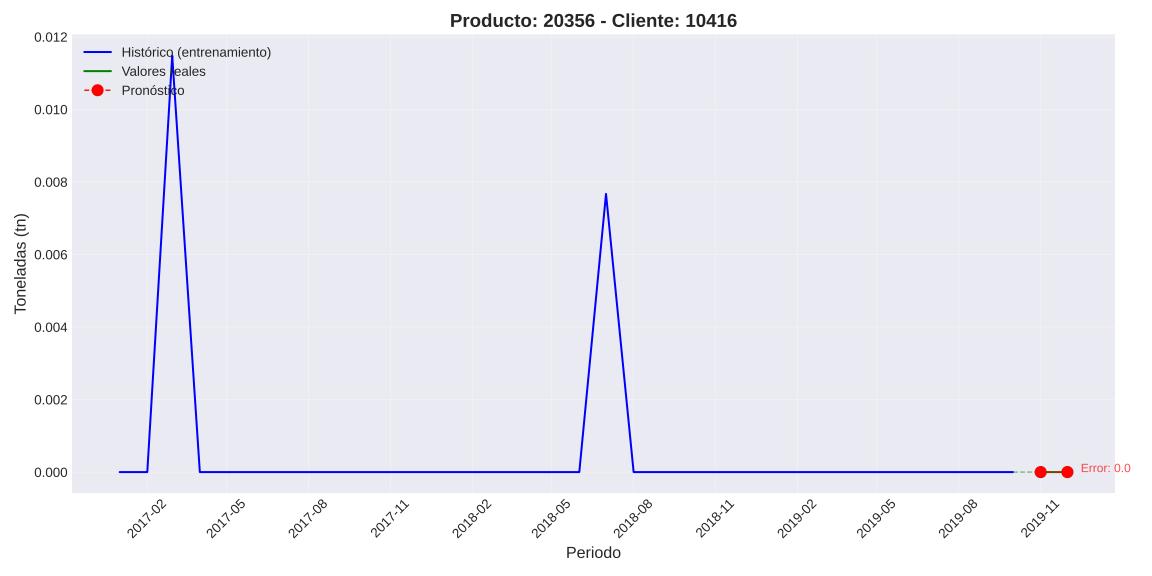


Producto: 20075 - Cliente: 10410

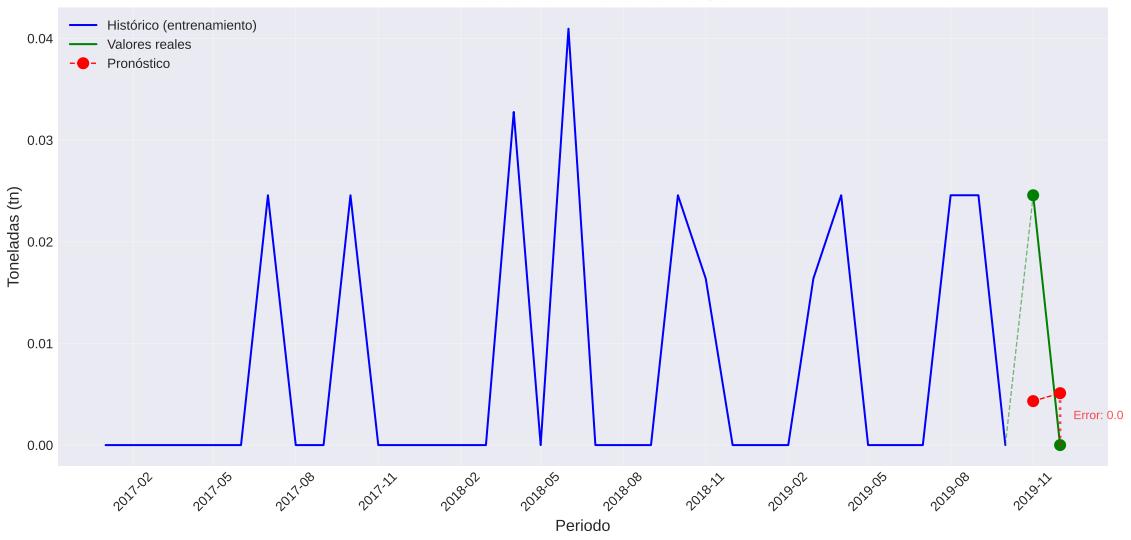


Producto: 20238 - Cliente: 10073

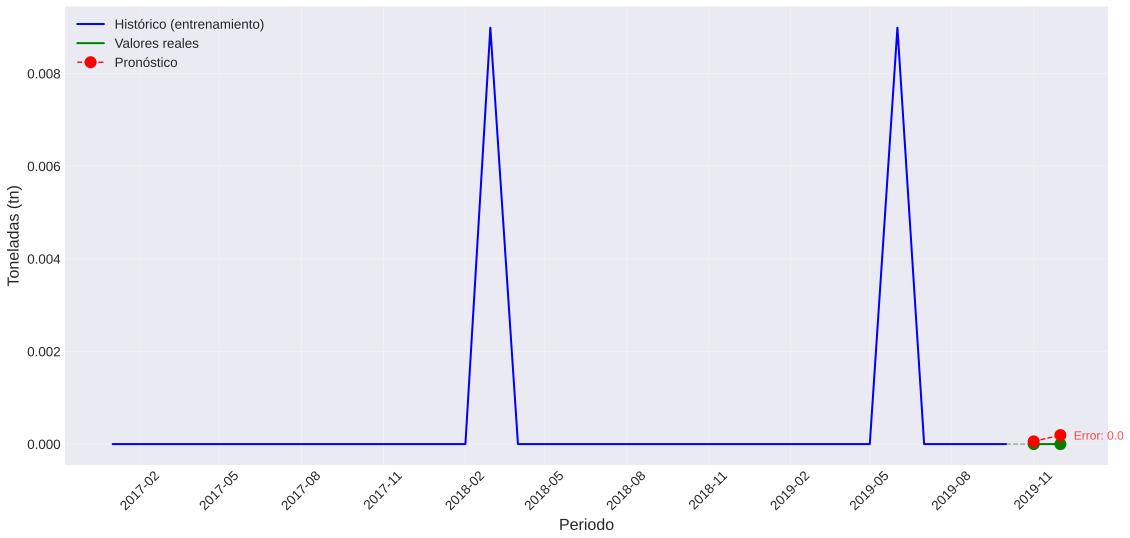




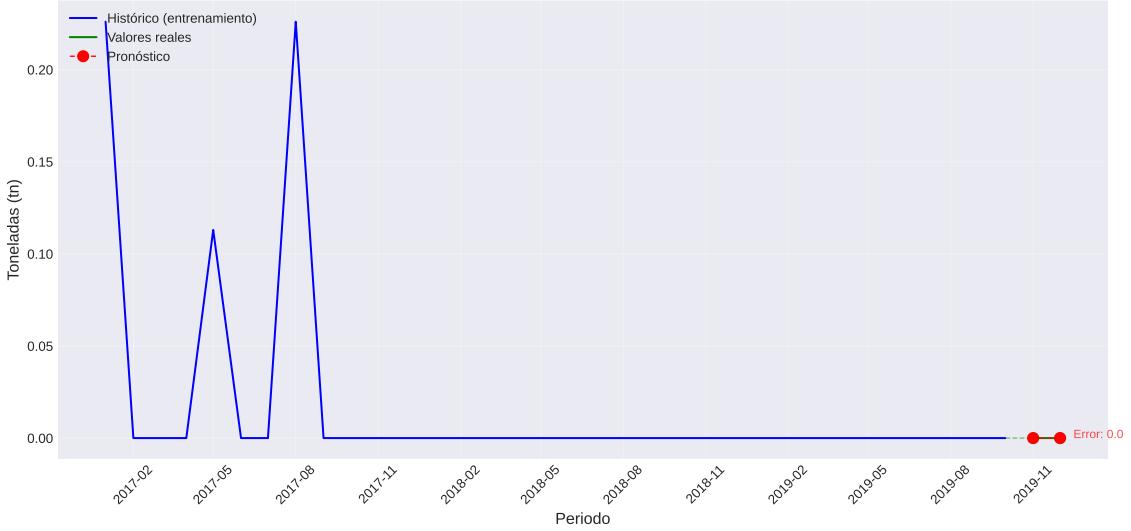
Producto: 20114 - Cliente: 10435

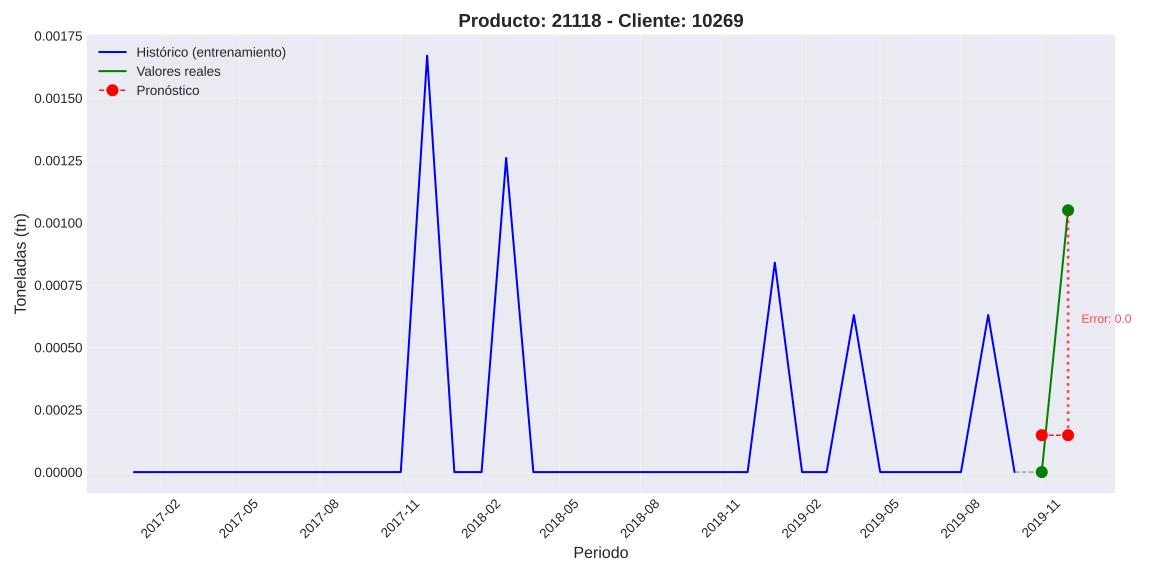


Producto: 20377 - Cliente: 10431

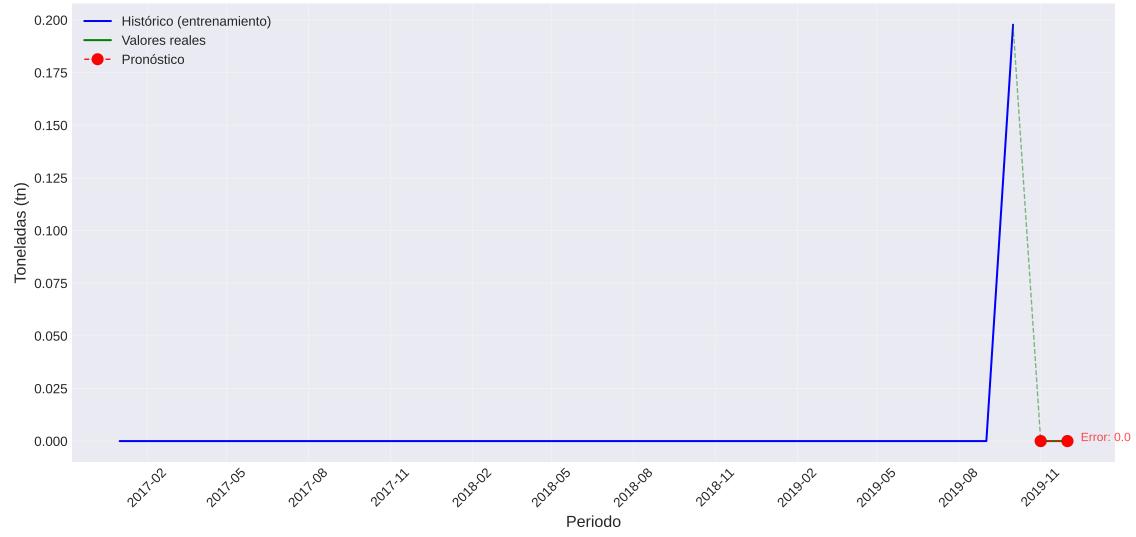


Producto: 20002 - Cliente: 10502

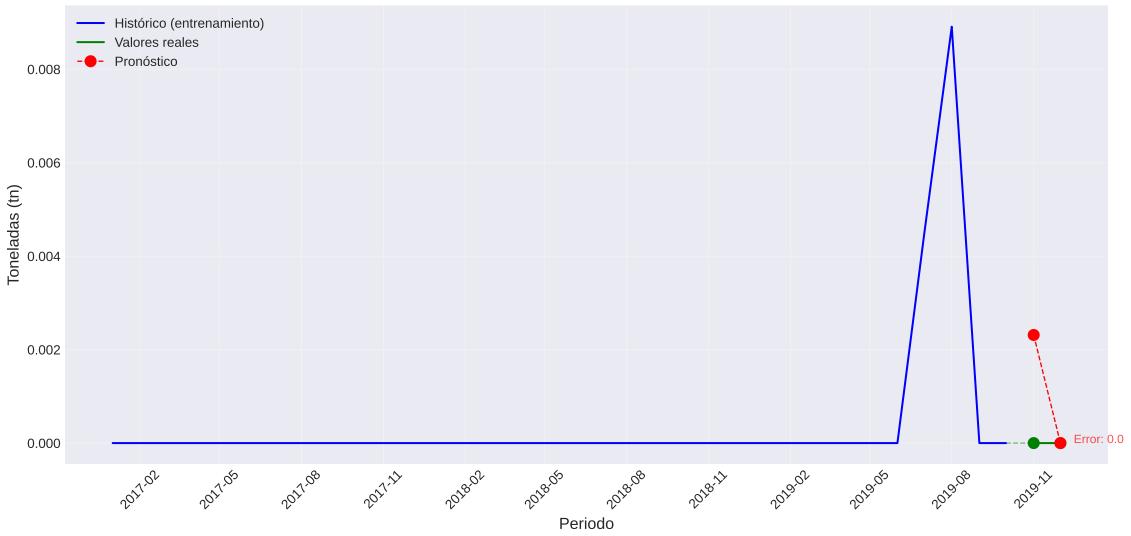




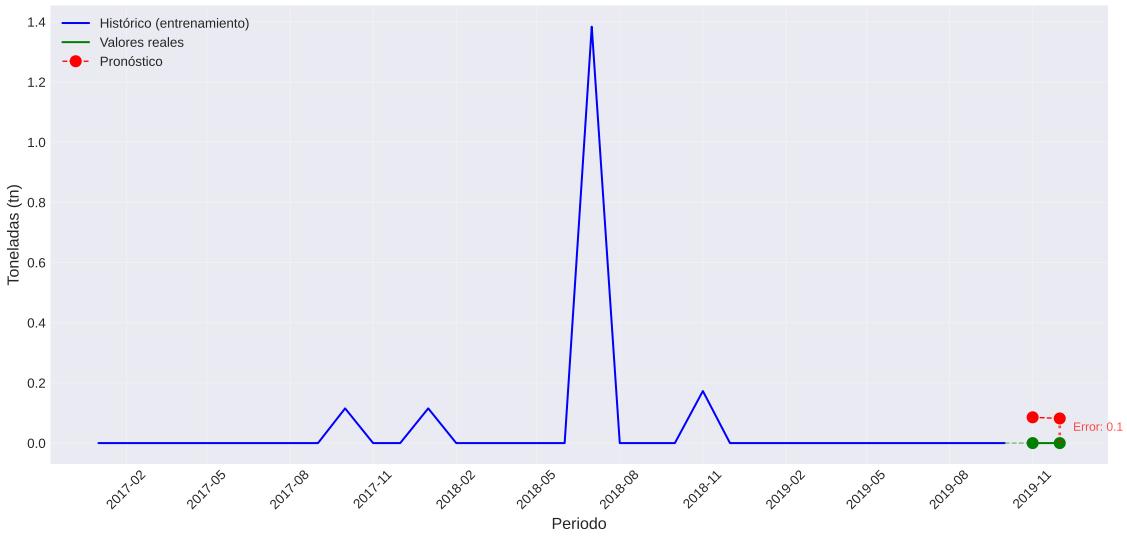
Producto: 20686 - Cliente: 10120



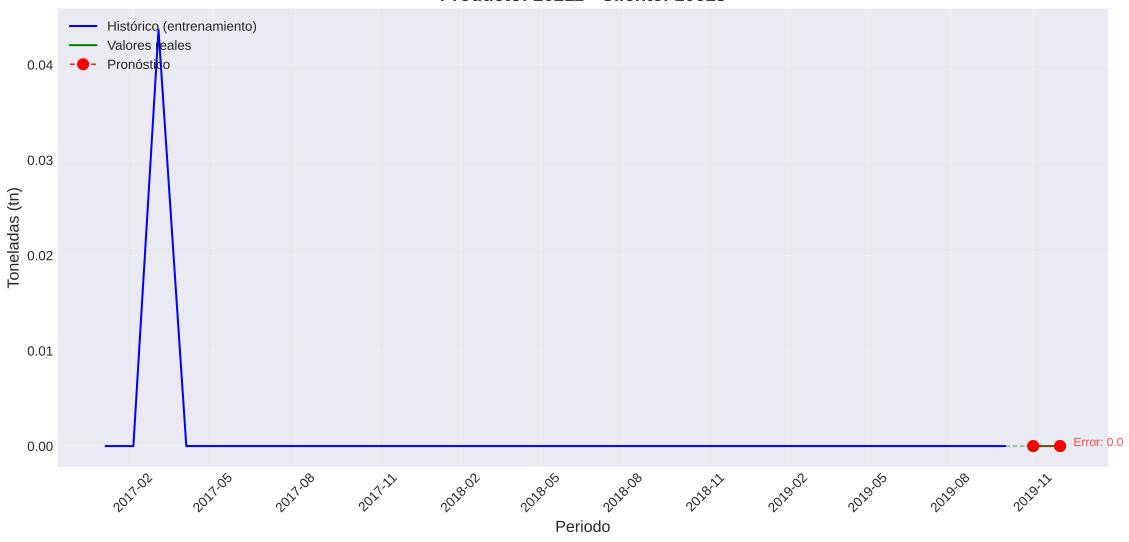
Producto: 20933 - Cliente: 10206



Producto: 20684 - Cliente: 10038



Producto: 20211 - Cliente: 10613

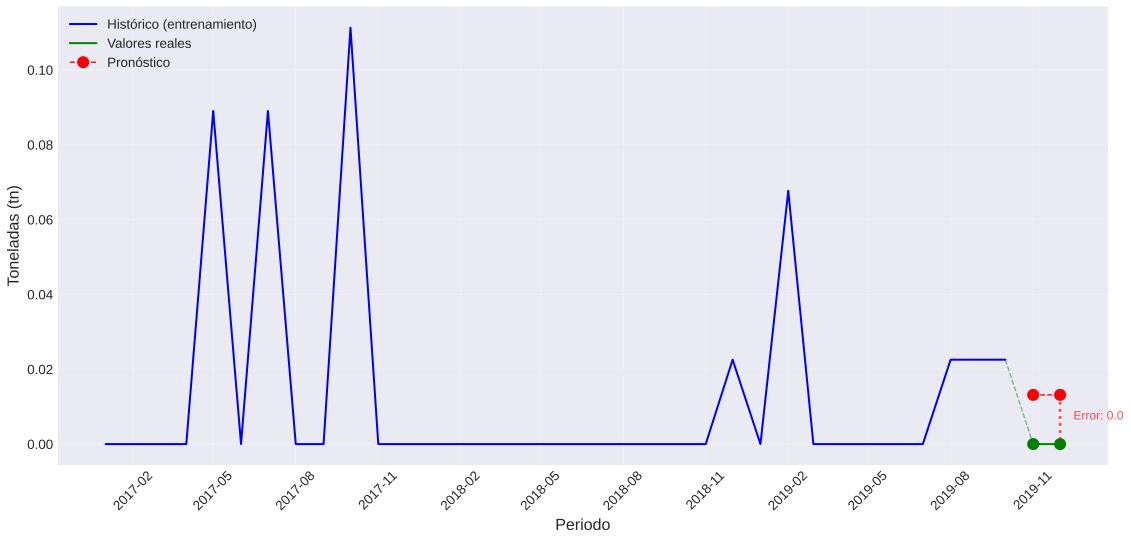


Producto: 21182 - Cliente: 10048



Producto: 20419 - Cliente: 10626 0.0025 Histórico (entrenamiento) Valores reales - Pronóstico 0.0020 Toneladas (tn) 0.0015 0.0005 Frror: 0.0 0.0000 Periodo

Producto: 20743 - Cliente: 10116

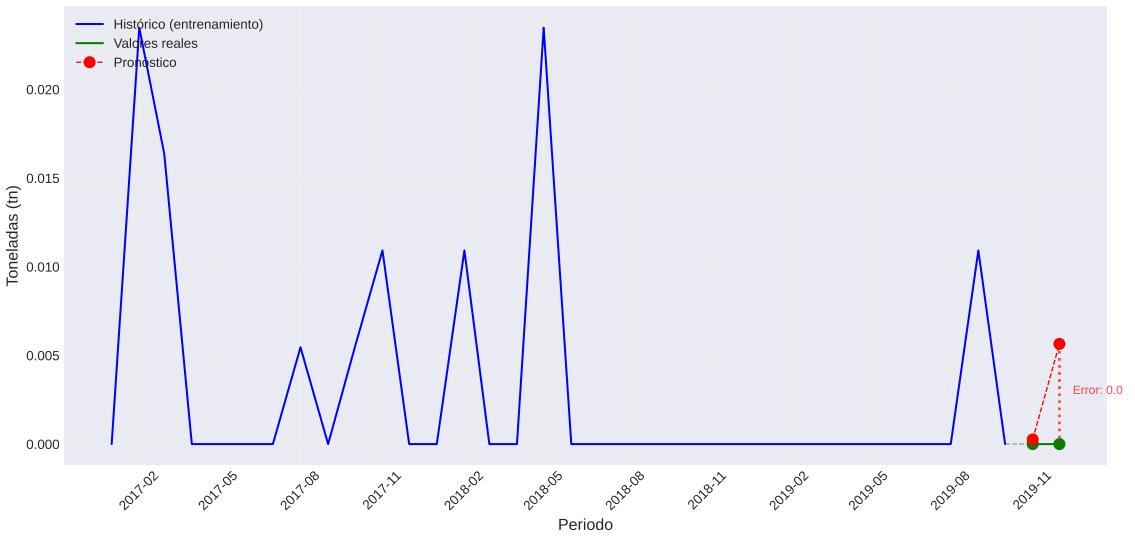


Producto: 20130 - Cliente: 10513 Histórico (entrenamiento) 0.014 Valores reales - Pronóstico 0.012 0.010 Toneladas (tn)
900.0
900.0 0.004 0.002 Error: 0.0 0.000

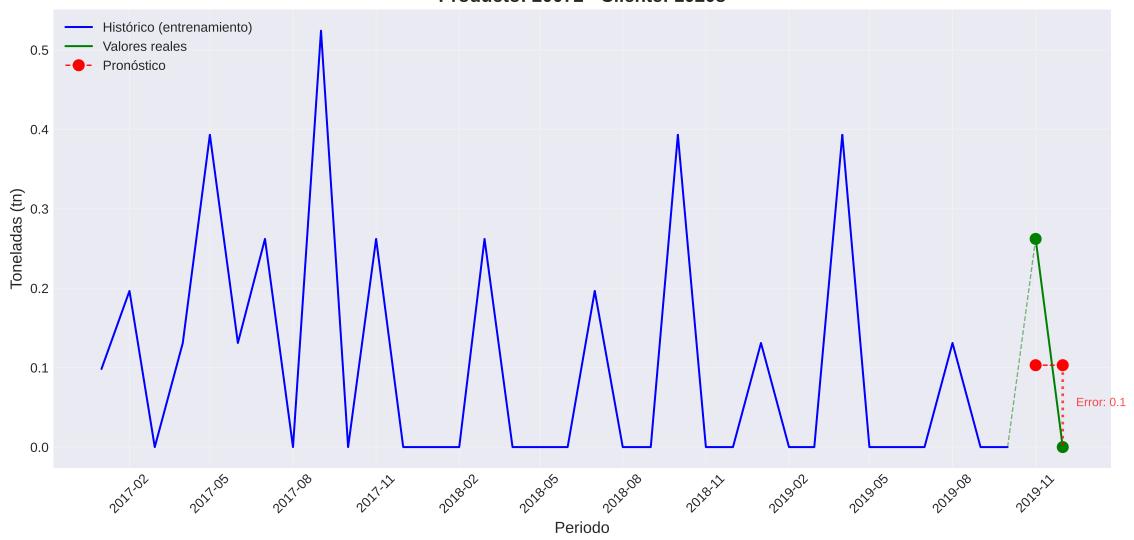
Periodo

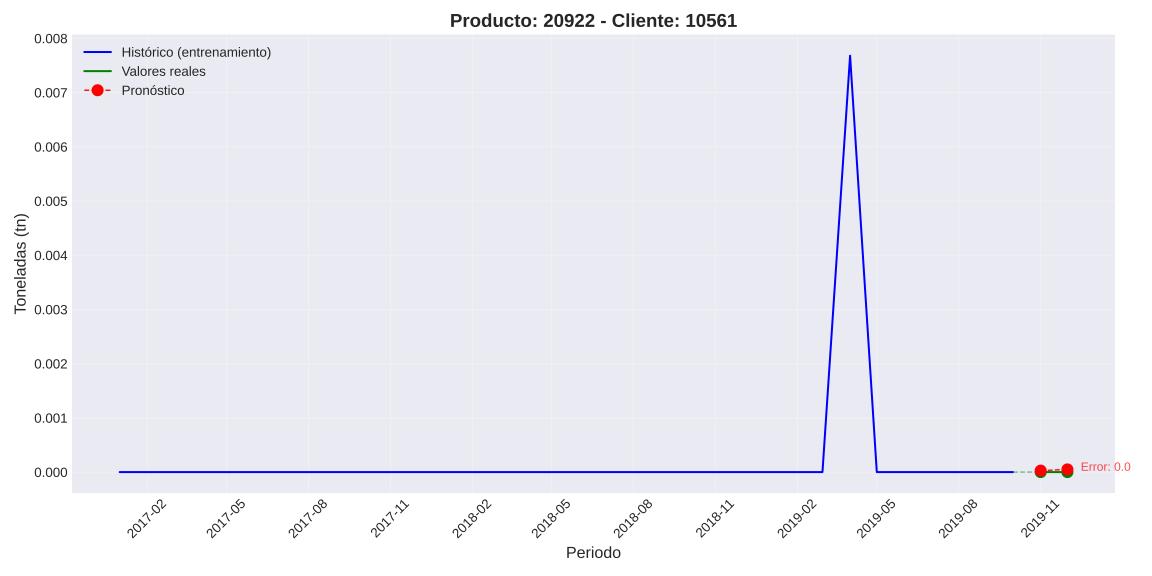


Producto: 21008 - Cliente: 10069

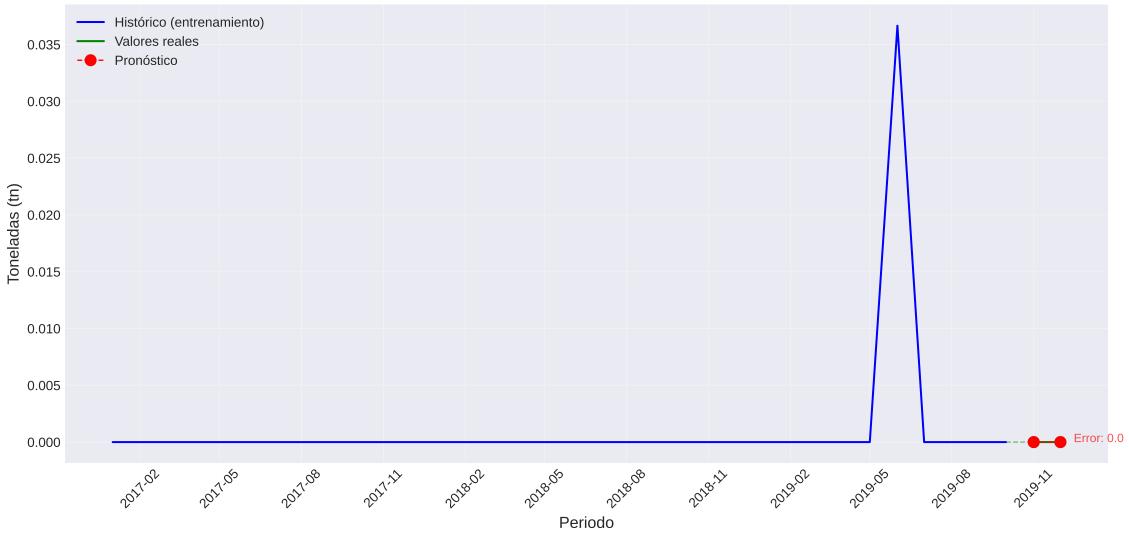


Producto: 20072 - Cliente: 10208

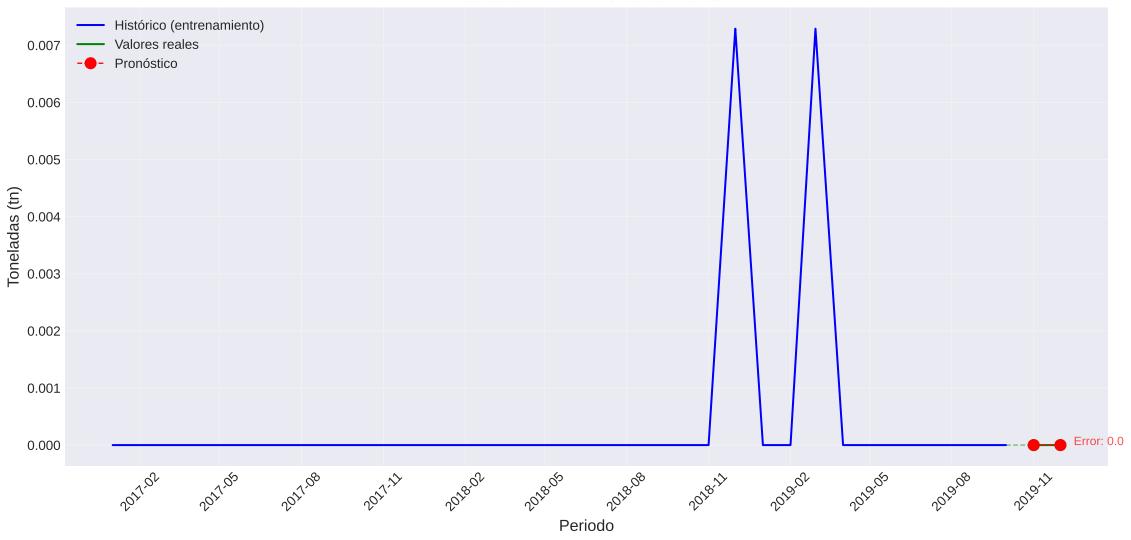




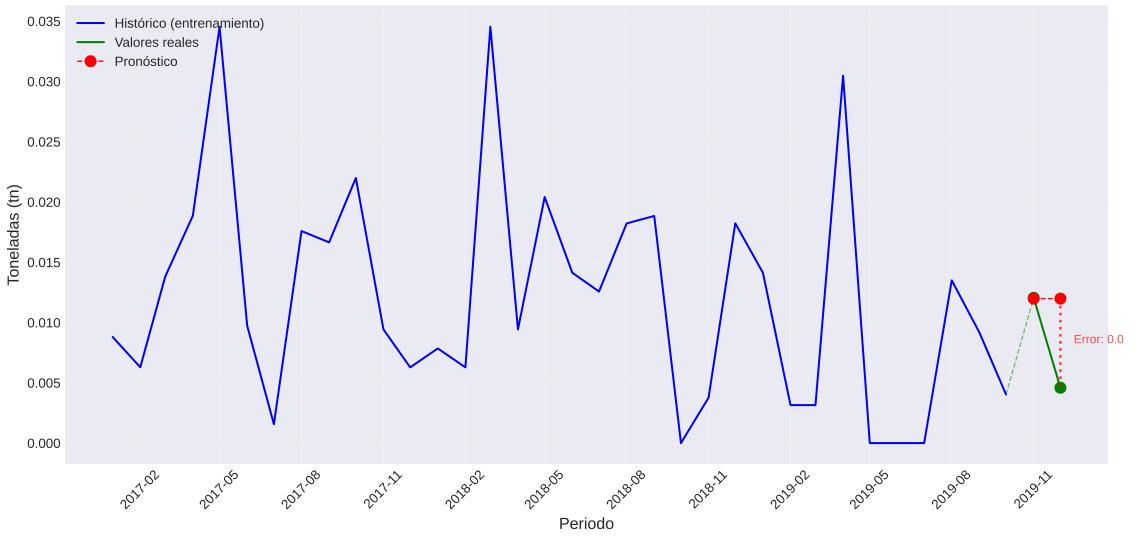
Producto: 20577 - Cliente: 10281



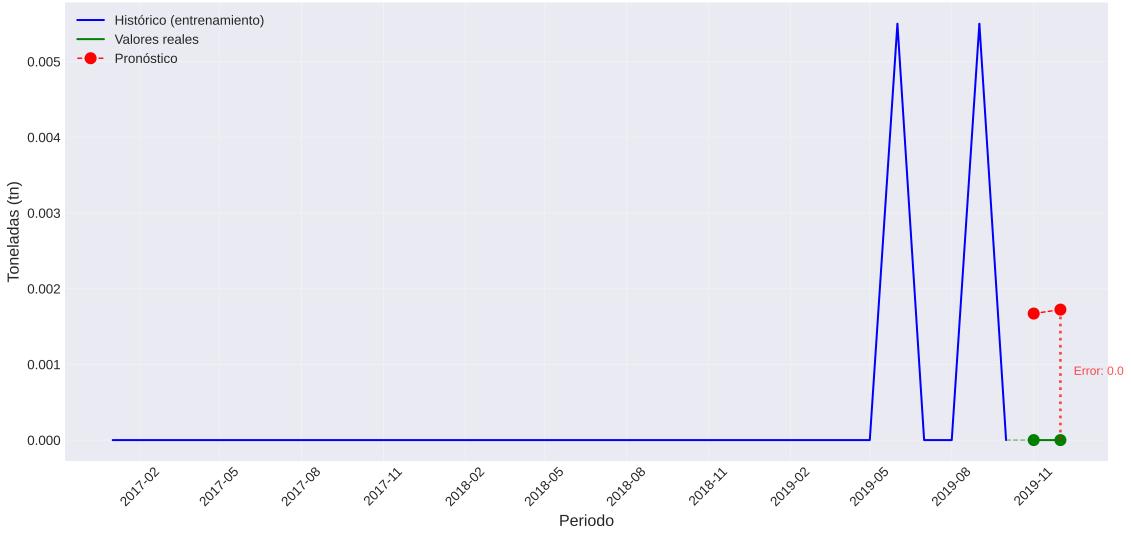
Producto: 20241 - Cliente: 10431



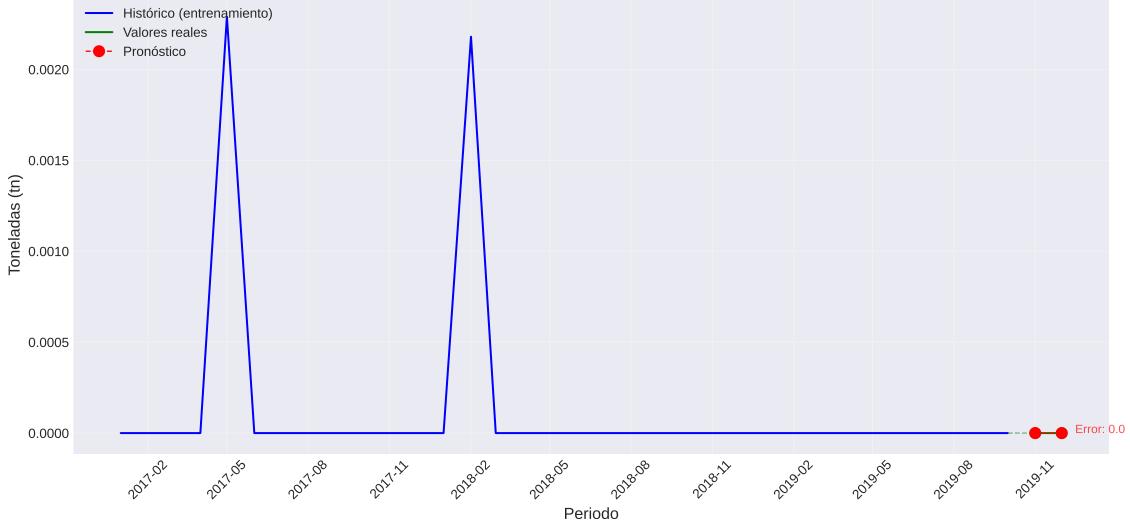
Producto: 20863 - Cliente: 10027



Producto: 20593 - Cliente: 10396

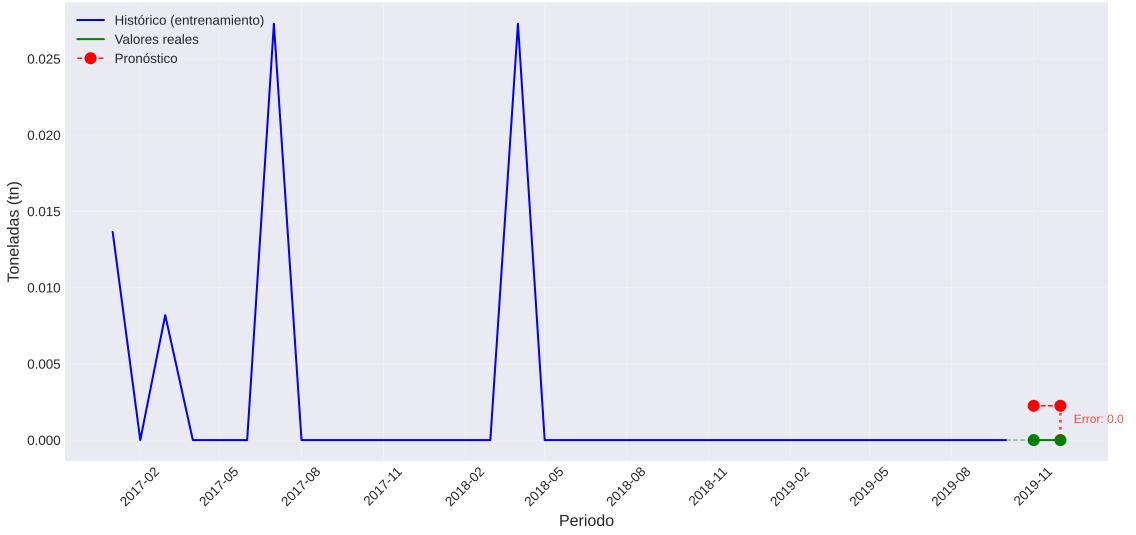


Producto: 20428 - Cliente: 10301 Histórico (entrenamiento) Valores reales

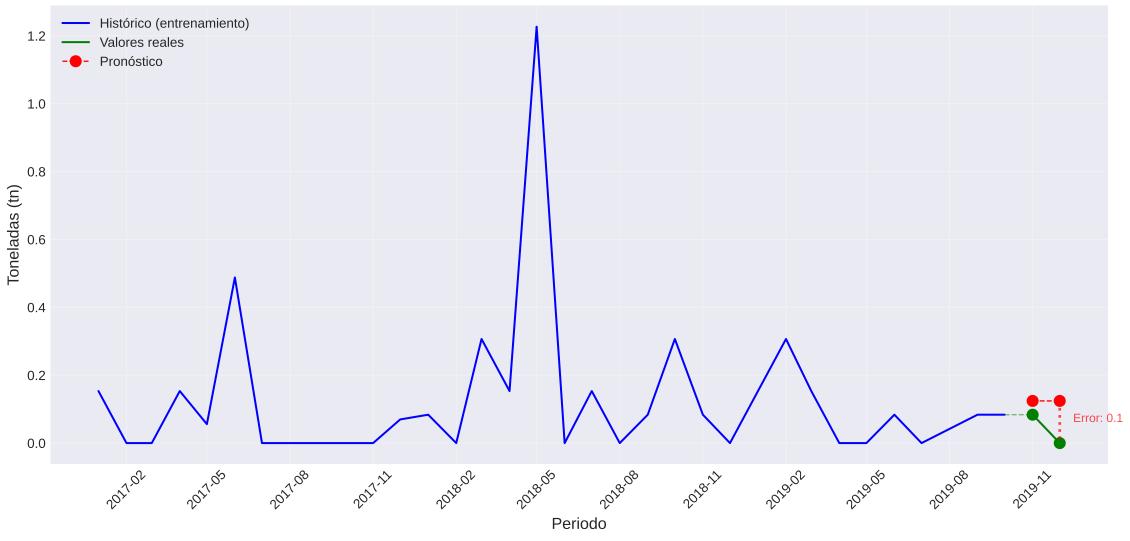


Producto: 20560 - Cliente: 10043 0.014 Histórico (entrenamiento) Valores reales - Pronóstico 0.012 0.010 Toneladas (tn)
.0
.0
900.0 0.004 0.002 Error: 0.0 0.000 Periodo

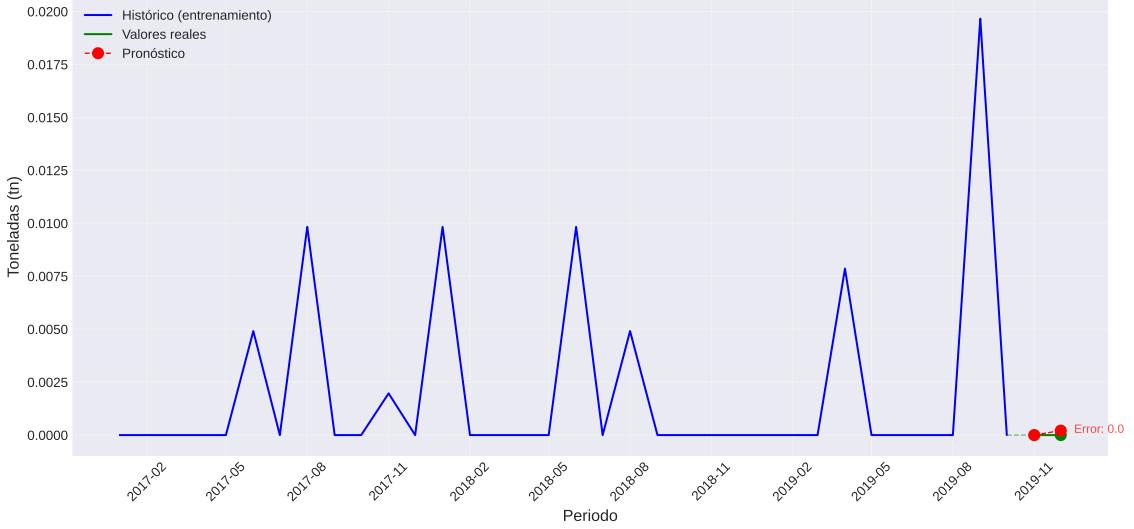
Producto: 20146 - Cliente: 10524



Producto: 20109 - Cliente: 10206



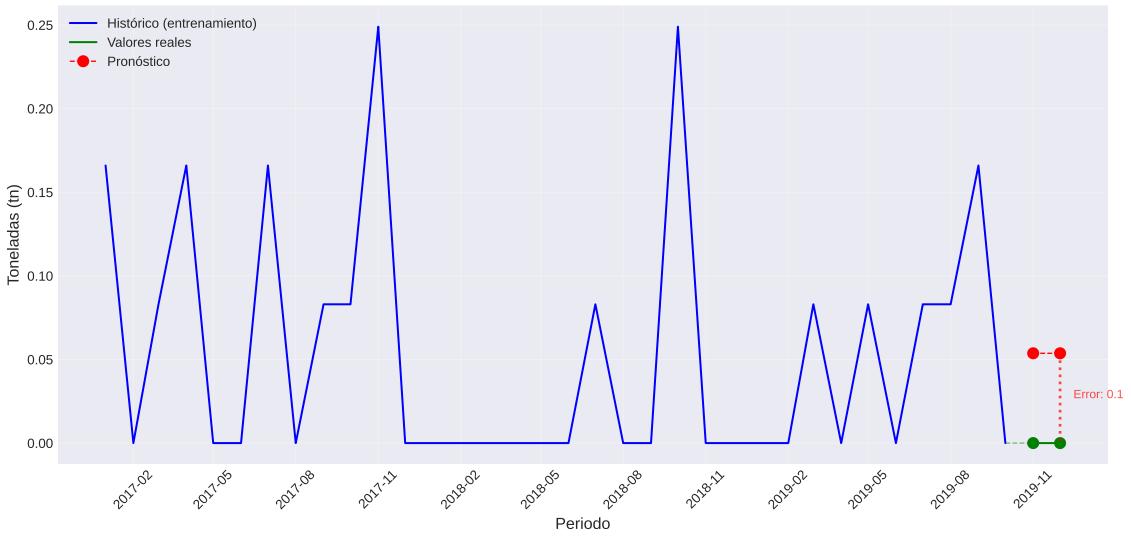
Producto: 20307 - Cliente: 10230



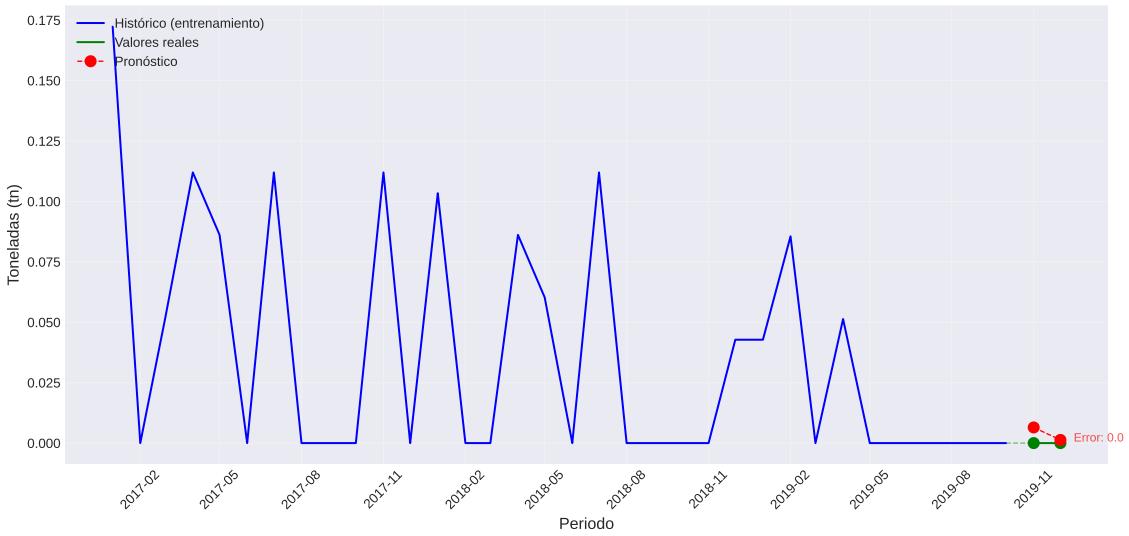
Producto: 20743 - Cliente: 10306 Histórico (entrenamiento) Valores reales 0.25 Pronóstico 0.20 Toneladas (tn) 0.10 0.05 Error: 0.0 0.00

Periodo

Producto: 20118 - Cliente: 10066



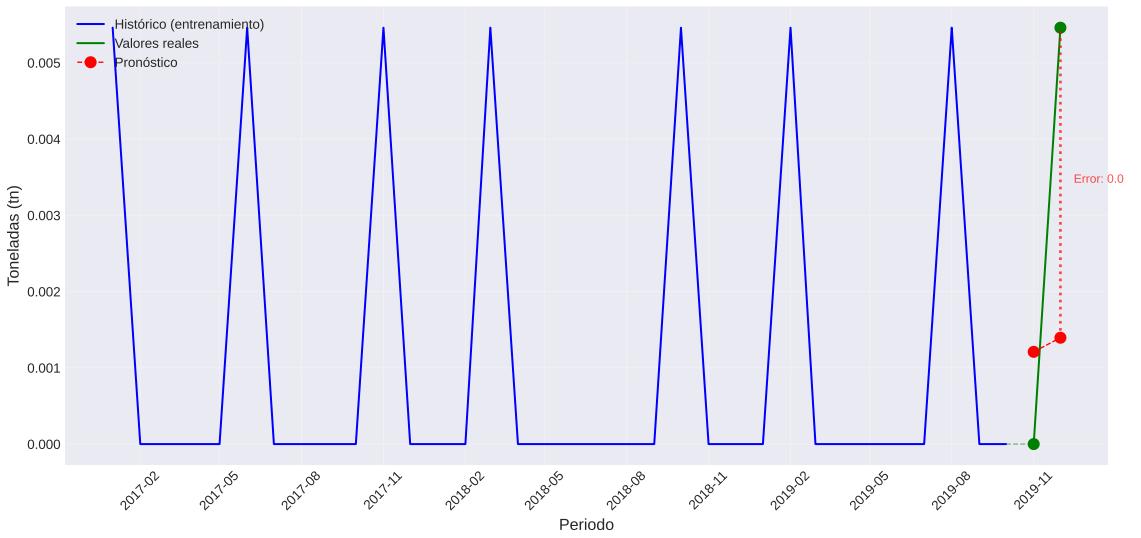
Producto: 20474 - Cliente: 10010



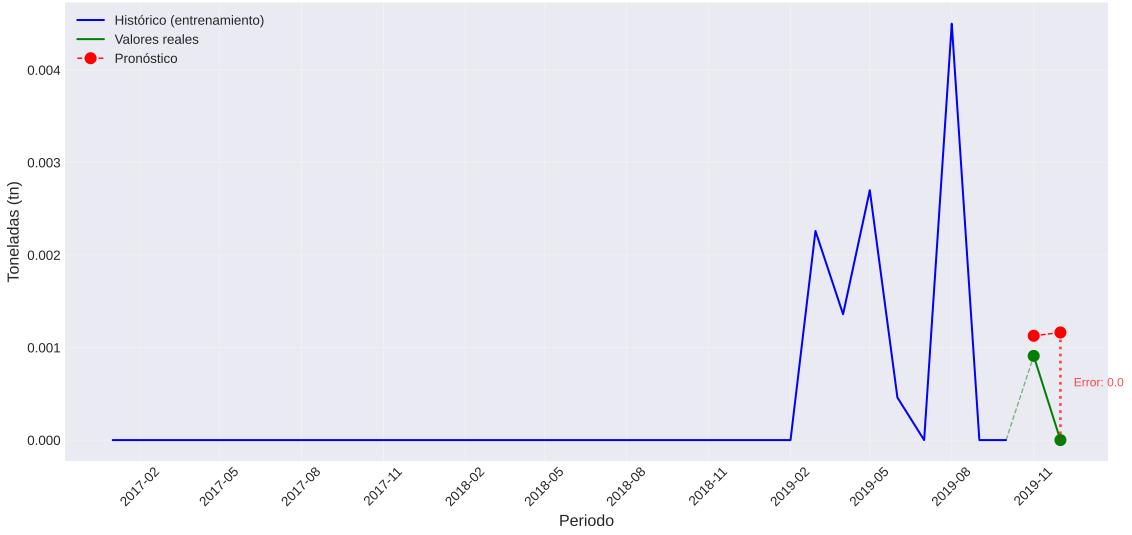
Producto: 21118 - Cliente: 10170 Histórico (entrenamiento) Valores reales 0.0004 - Pronóstico 0.0003 Toneladas (tn) 0.0001 Frror: 0.0 0.0000

Periodo

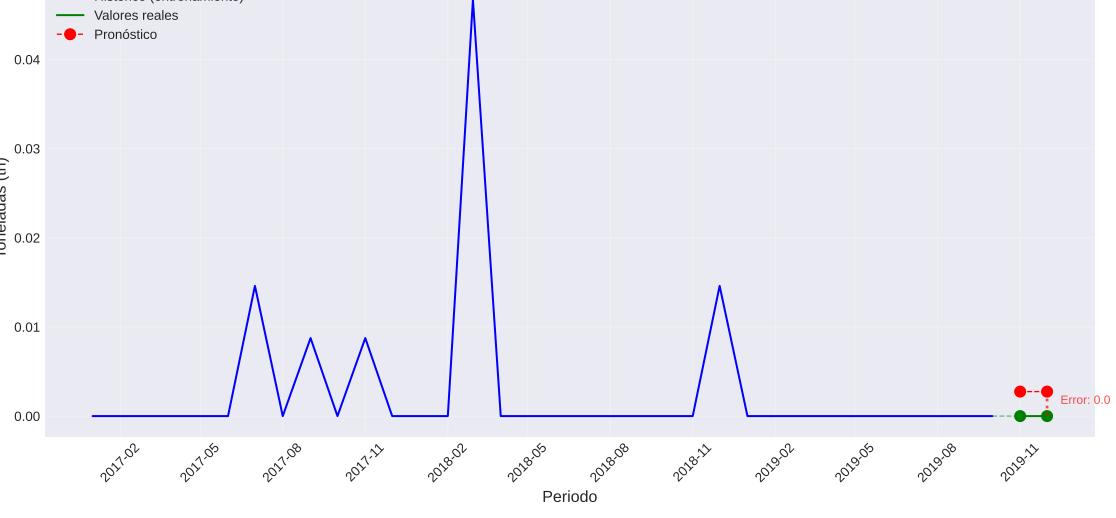
Producto: 20761 - Cliente: 10280



Producto: 21033 - Cliente: 10311

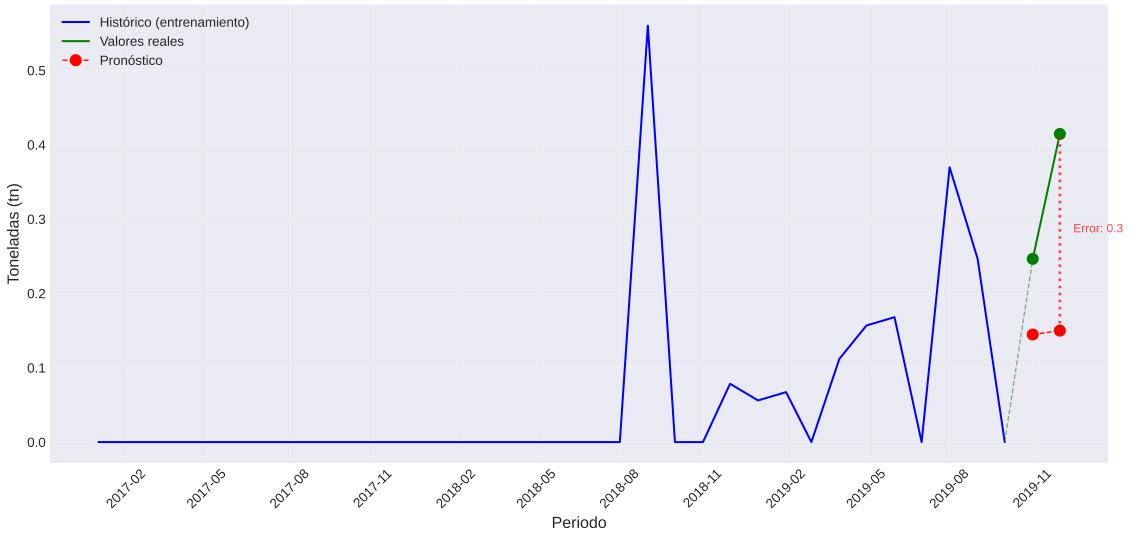


Producto: 20463 - Cliente: 10115 Histórico (entrenamiento) Valores reales - Pronóstico 0.04 0.03 Toneladas (tn) 0.01

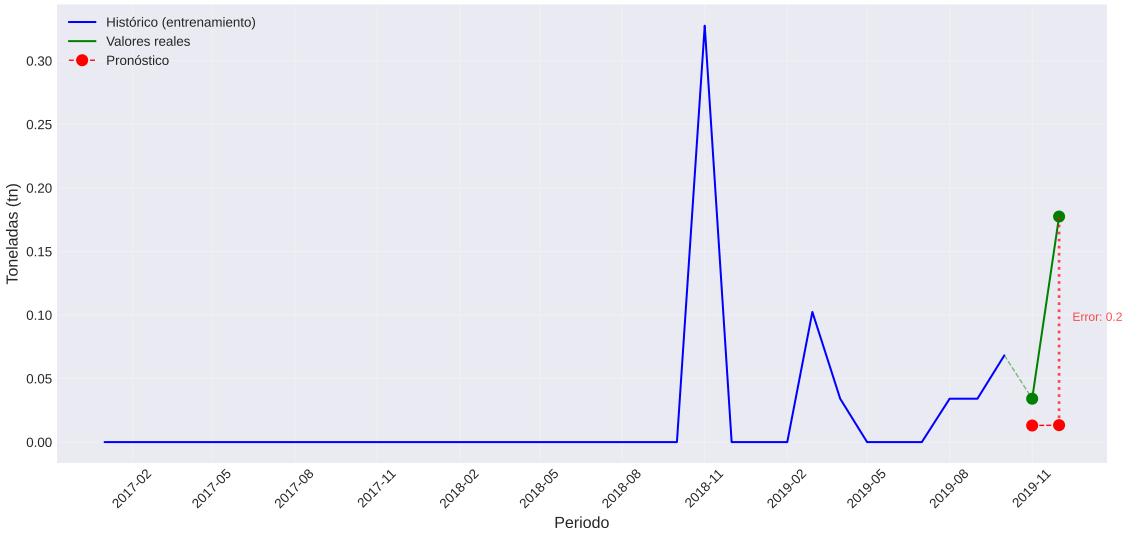


Producto: 21027 - Cliente: 10176 Histórico (entrenamiento) 0.004 Valores reales - Pronóstico 0.003 Toneladas (tn) 0.001 --• Error: 0.0 0.000 Periodo

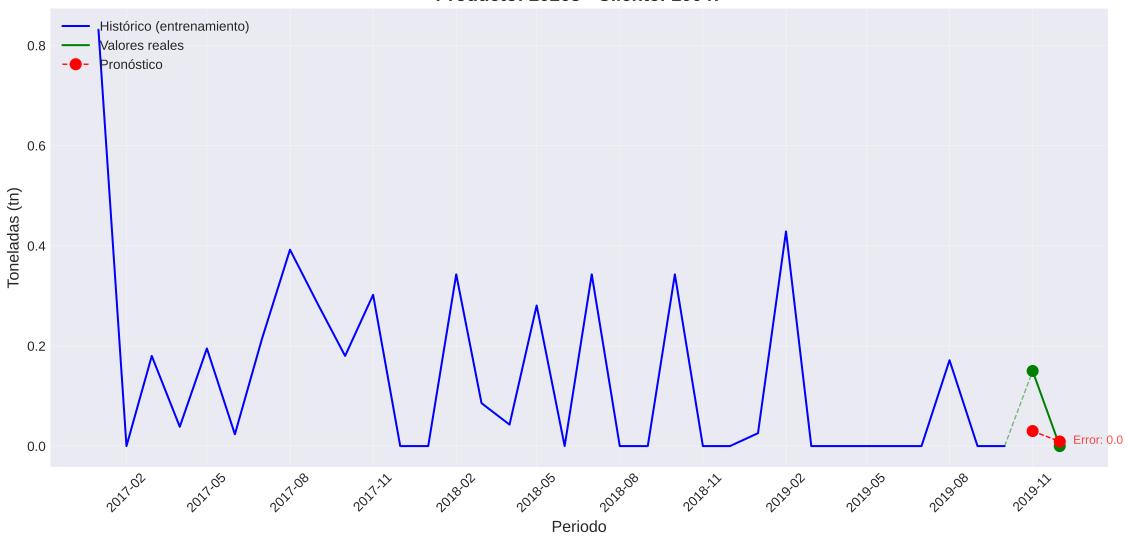
Producto: 20001 - Cliente: 10152



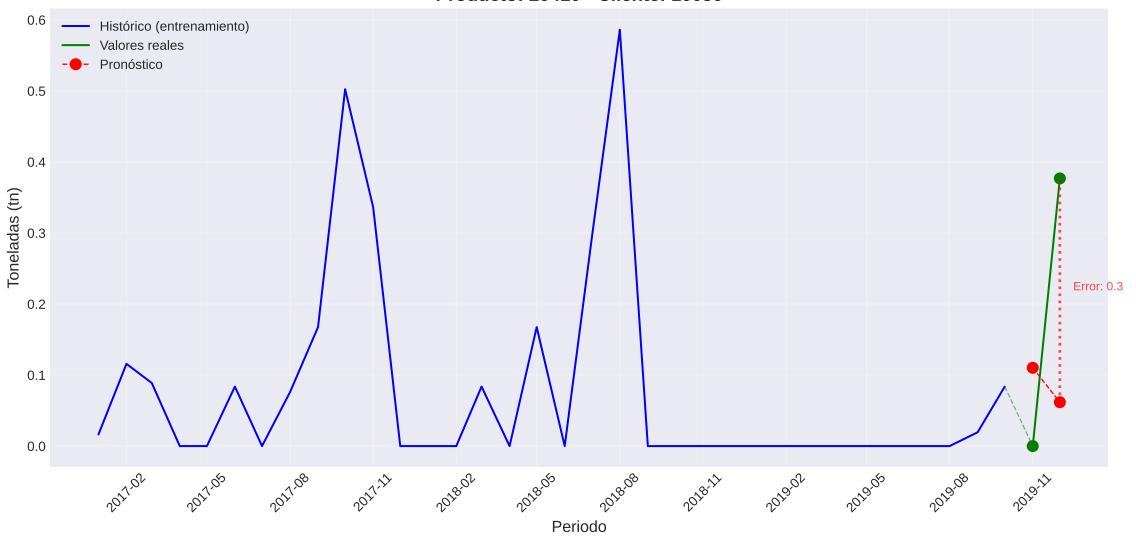
Producto: 20547 - Cliente: 10089



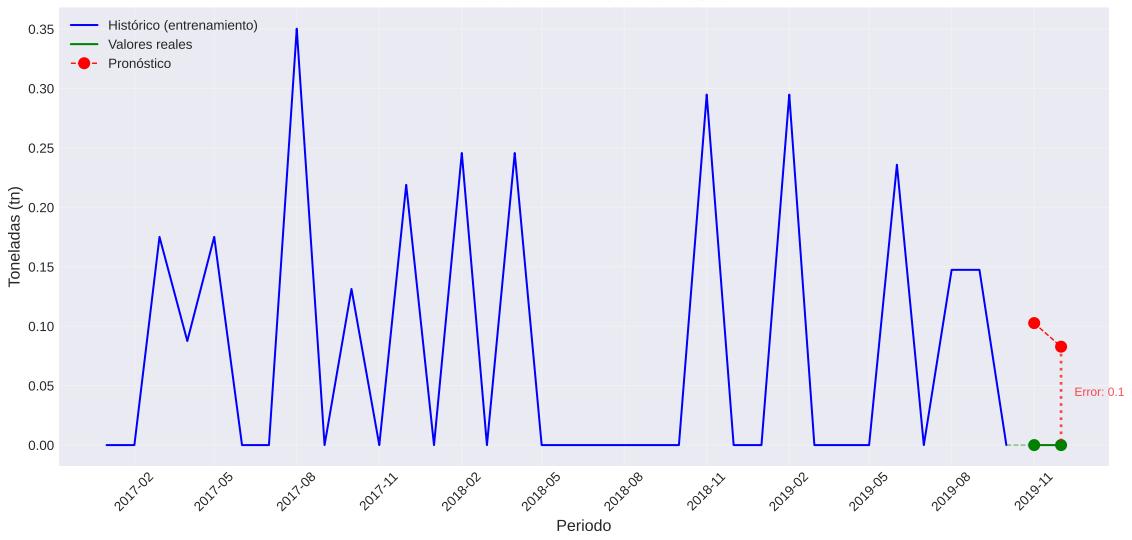
Producto: 20268 - Cliente: 10047



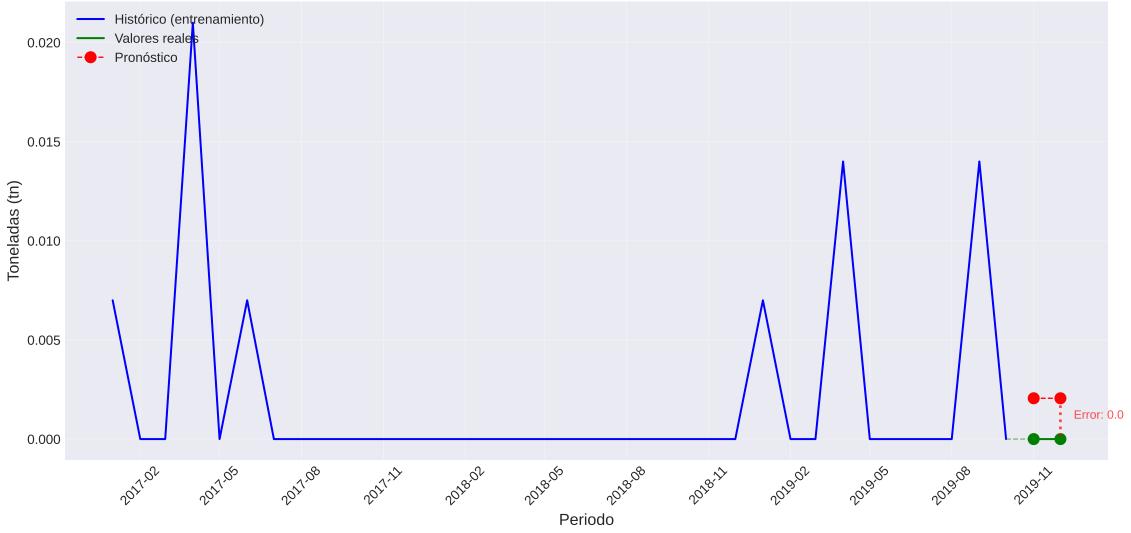
Producto: 20410 - Cliente: 10050



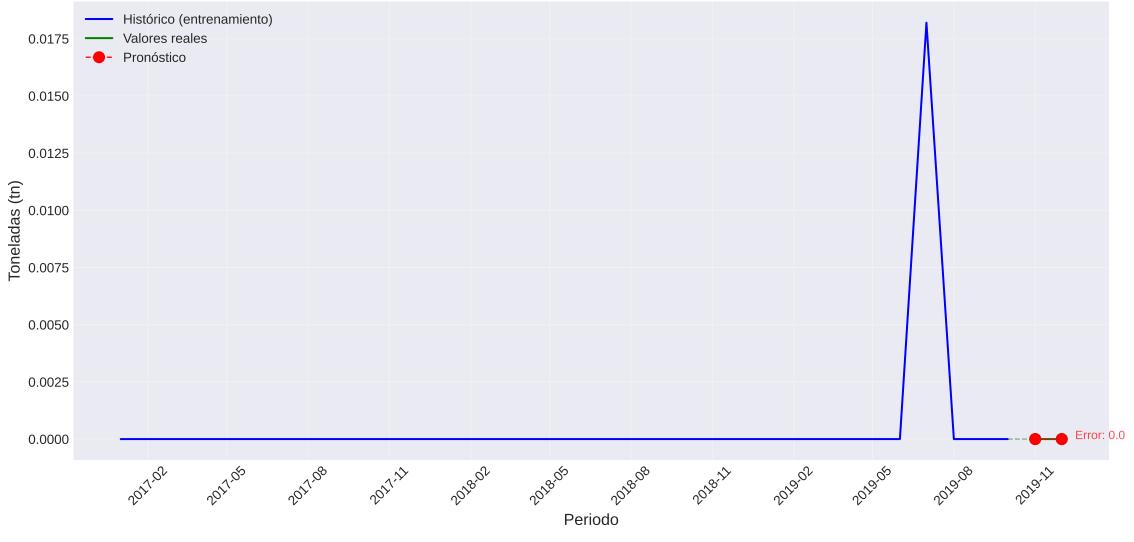
Producto: 20012 - Cliente: 10396



Producto: 20075 - Cliente: 10553



Producto: 21042 - Cliente: 10118

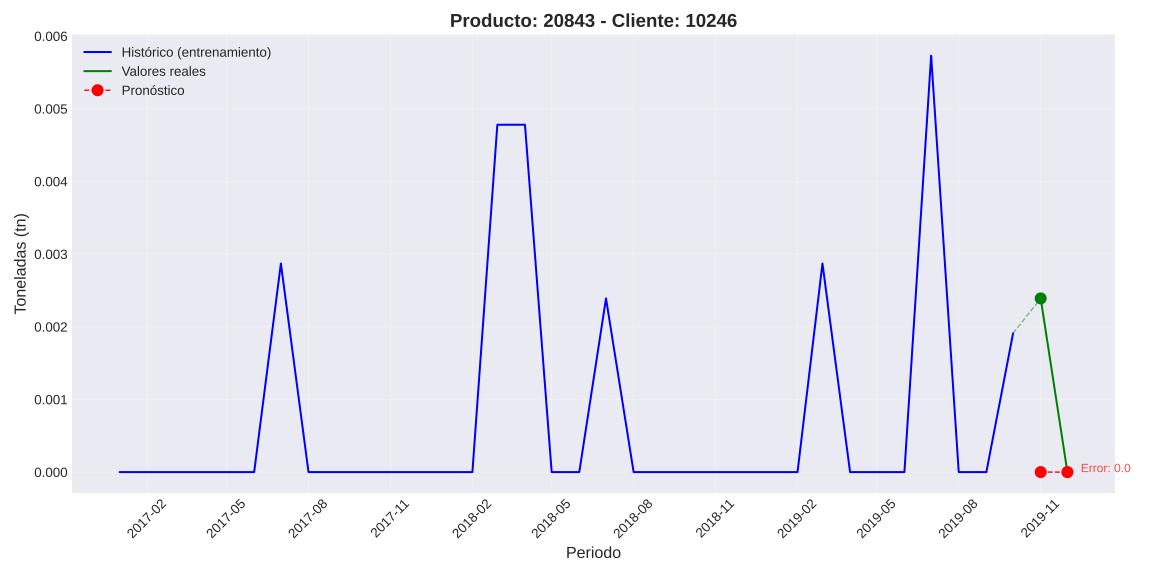




Producto: 20941 - Cliente: 10237 Histórico (entrenamiento) 0.010 Valores reales - Pronóstico 0.008 Toneladas (tn) 900.0 900.0 0.002 Error: 0.0 0.000 Periodo

Producto: 21222 - Cliente: 10325 Histórico (entrenamiento) Valores reales - Pronóstico 0.0020 0.0015 Toneladas (tn) 0.0005 Frror: 0.0 0.0000

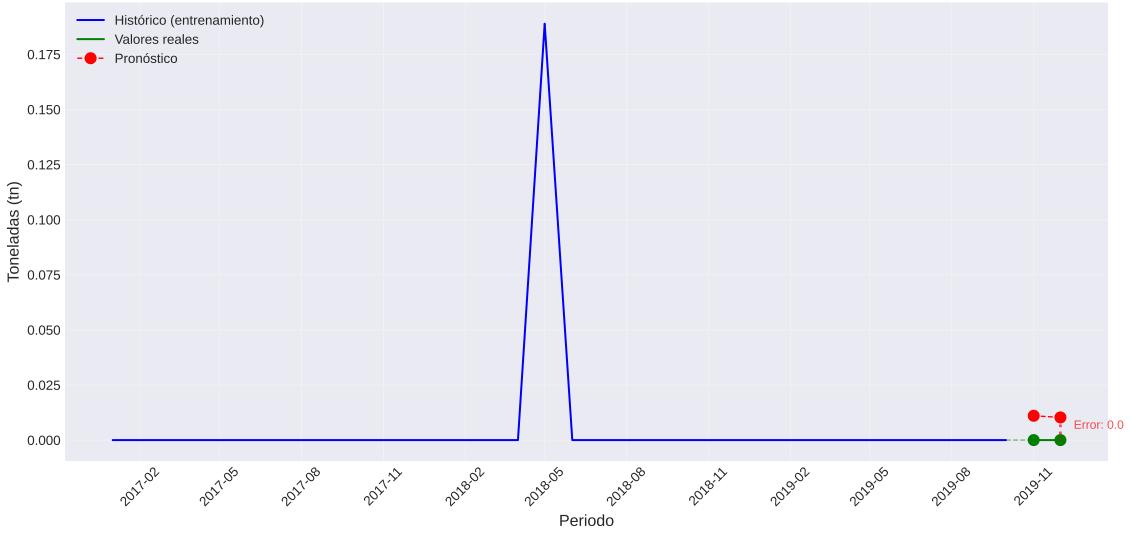
Periodo



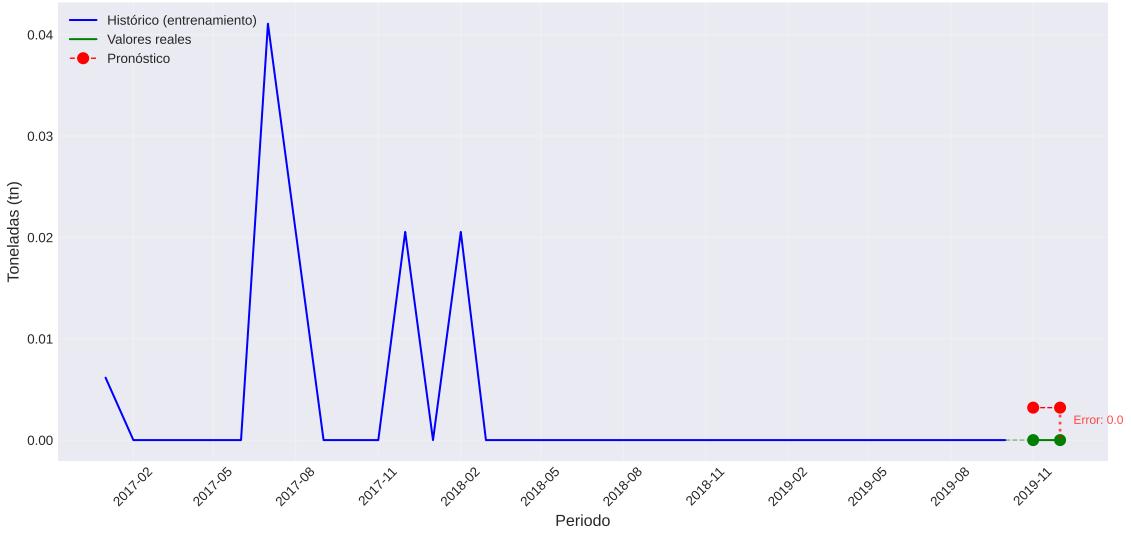
Producto: 20810 - Cliente: 10198 Histórico (entrenamiento) Valores reales 0.010 - Pronóstico 0.008 Toneladas (tn) 900.00 900.00 0.002 Error: 0.0 0.000

Periodo

Producto: 20253 - Cliente: 10176



Producto: 20187 - Cliente: 10290



RESUMEN DE PRONÓSTICOS

Fase: phase1

Granularidad: product customer

Fecha de generación: 2025-07-20 07:23:17

Series graficadas: 259

Series con todos ceros (excluidas): 3250

Configuración del modelo:

- Modelo: AutoARIMA
- Longitud de temporada: 12
- Series mínimas requeridas: 24 periodos
- Suavizado: False
- Método de suavizado: exponential
- Tiempo de suavizado: 0.00s

MÉTRICAS DE ERROR (Comparación con 2019-12):

- Error Total: 17890.99 toneladas
- MAE: 0.3375
- RMSE: 2.2496
- WAPE Modificado: 0.7115
- Series comparadas: 53008