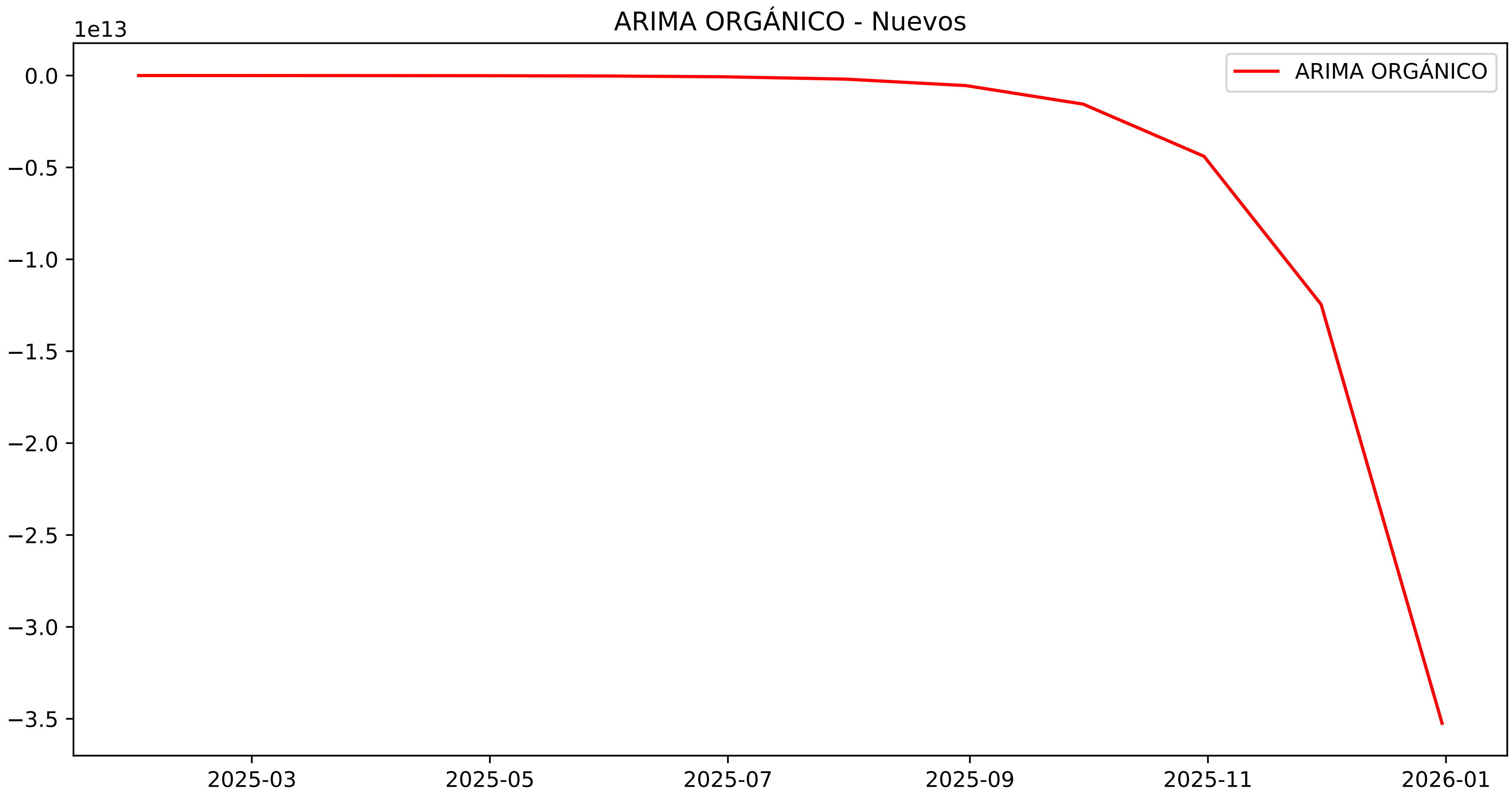
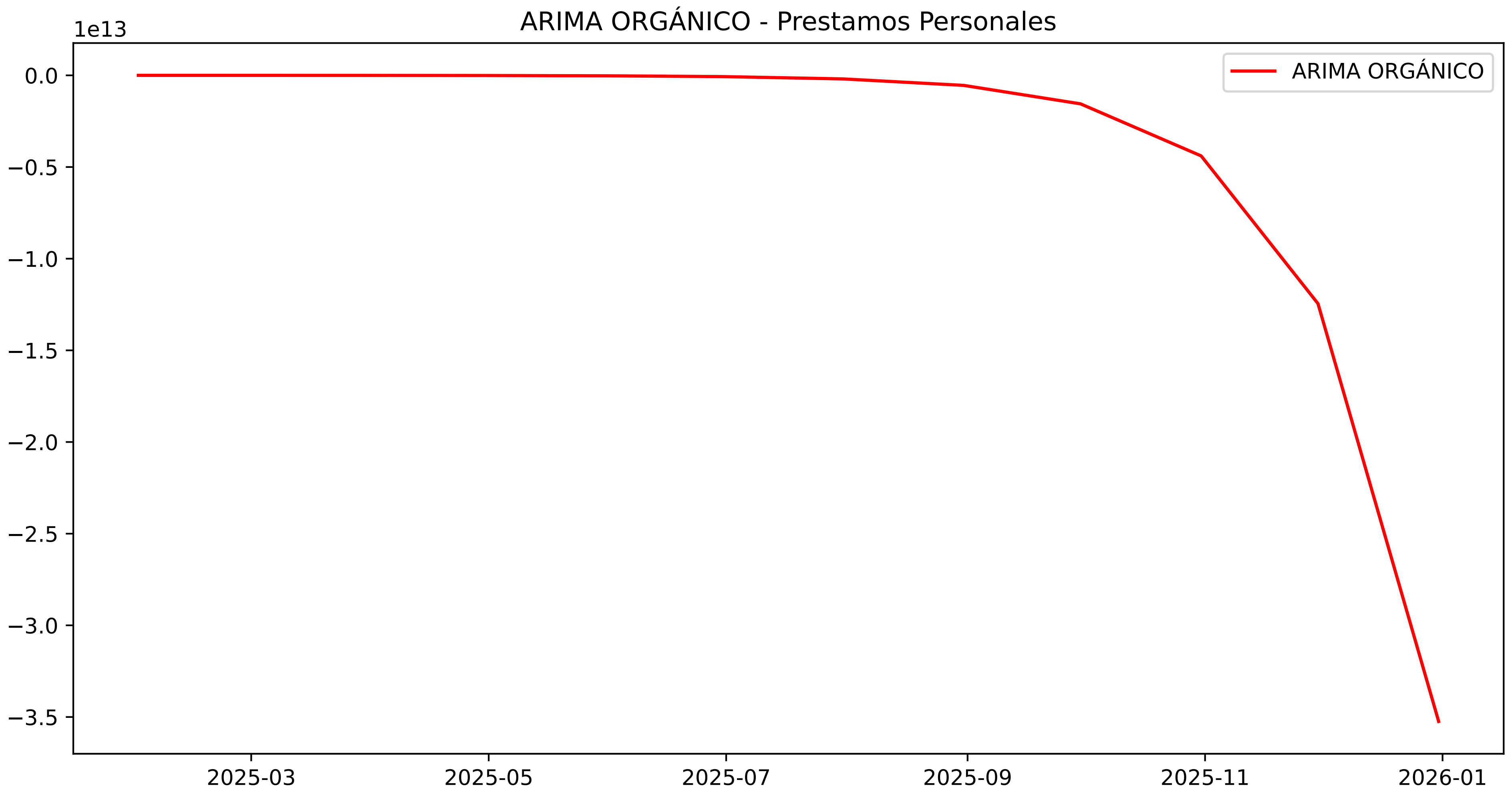
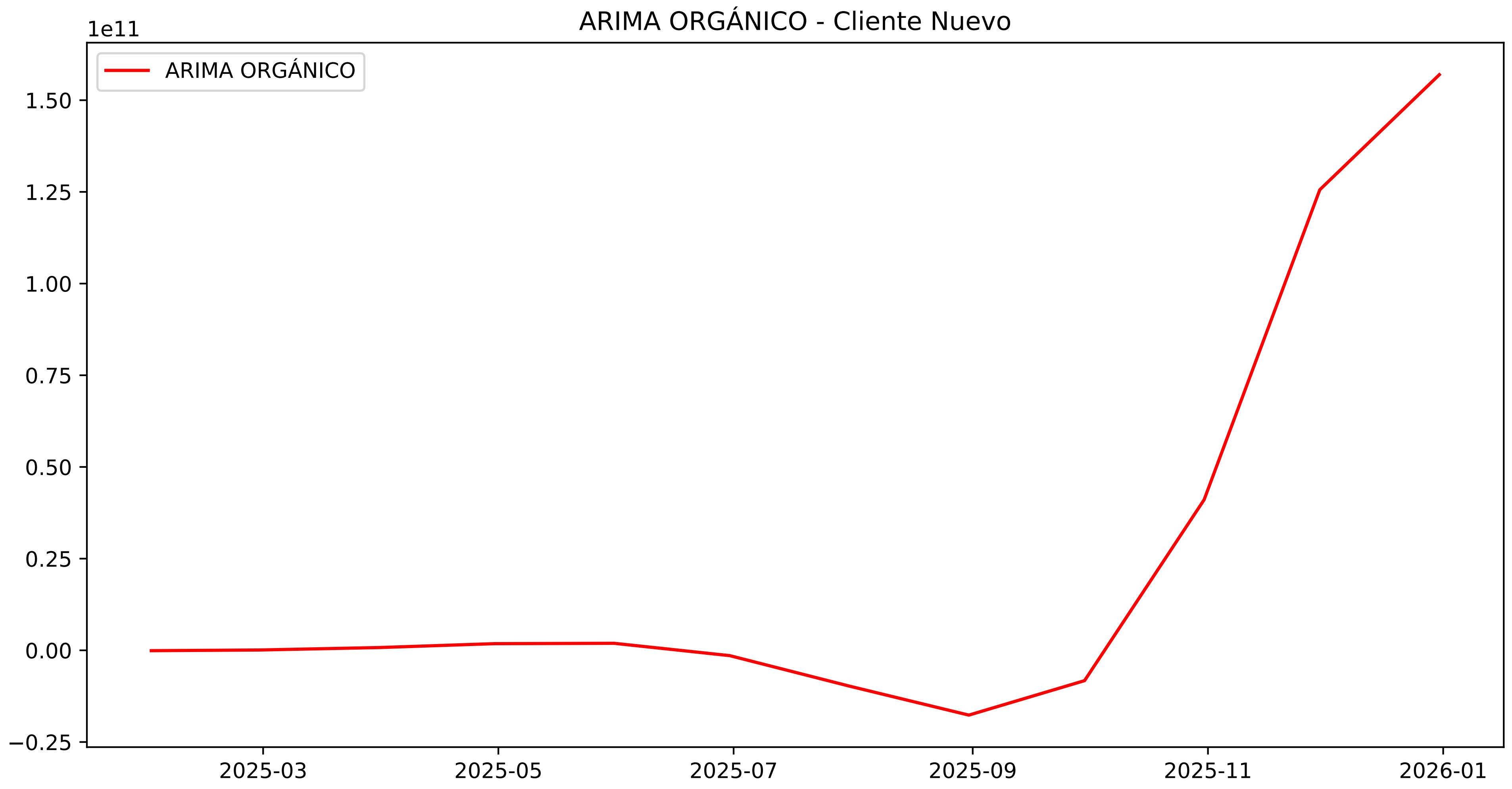

ARIMA ORGÁNICO - Nuevos
1e13
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

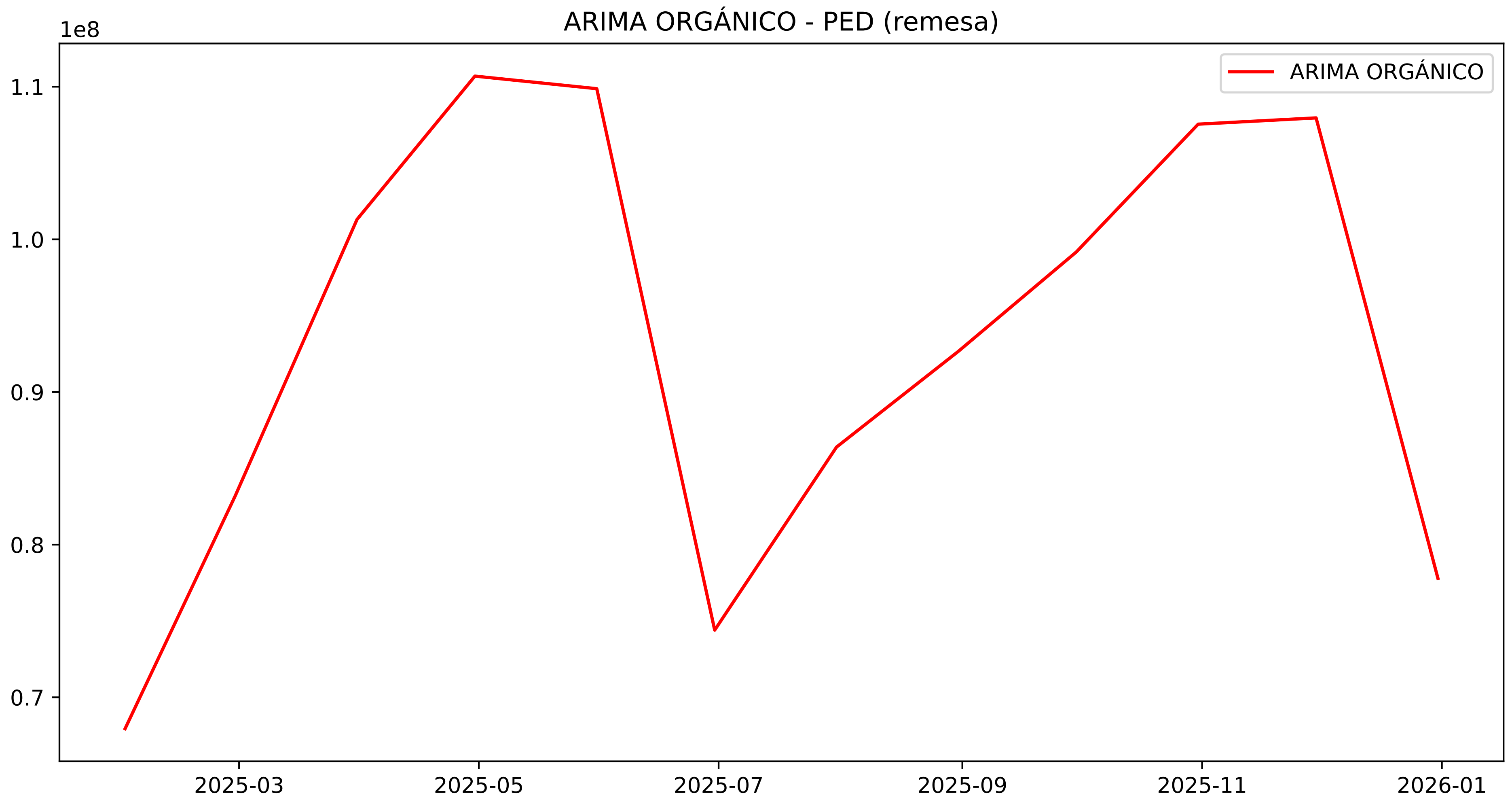
```
                               SARIMAX Results
==========================================================================================
Dep. Variable:                          Nuevos   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -580.317
Date:                         Wed, 23 Oct 2024   AIC                           1178.634
Time:                                 16:22:01   BIC                           1190.296
Sample:                             01-31-2022   HQIC                          1182.102
                                  - 12-31-2024
Covariance Type:                           opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.3083      0.651      2.011      0.044       0.033       2.583
ar.L2          4.3130      8.185      0.527      0.598     -11.730      20.356
ma.L1         13.0982      3.701      3.540      0.000       5.845      20.351
ma.L2         -1.9310     24.772     -0.078      0.938     -50.484      46.622
ar.S.L3        0.3130      2.272      0.138      0.890      -4.139       4.765
ar.S.L6        0.7670      2.529      0.303      0.762      -4.189       5.723
ma.S.L3        0.1084      3.279      0.033      0.974      -6.317       6.534
ma.S.L6       -0.1920      2.229     -0.086      0.931      -4.561       4.177
sigma2      3.644e+15   5.96e-15   6.11e+29      0.000    3.64e+15    3.64e+15
===================================================================================
Ljung-Box (L1) (Q):                  11.89   Jarque-Bera (JB):                 1.89
Prob(Q):                              0.00   Prob(JB):                         0.39
Heteroskedasticity (H):               1.52   Skew:                             0.54
Prob(H) (two-sided):                  0.54   Kurtosis:                         3.73
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 3.04e+46. Standard errors may be unstable.
```


ARIMA ORGÁNICO - Prestamos Personales
1e13
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

```
                               SARIMAX Results
==============================================================================
Dep. Variable:          Prestamos Personales   No. Observations:           36
Model:           SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood          -580.317
Date:                   Wed, 23 Oct 2024   AIC                       1178.634
Time:                           16:22:03   BIC                       1190.296
Sample:                       01-31-2022   HQIC                      1182.102
                            - 12-31-2024
Covariance Type:                     opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.3083      0.651      2.011      0.044       0.033       2.583
ar.L2          4.3130      8.185      0.527      0.598     -11.730      20.356
ma.L1         13.0982      3.701      3.540      0.000       5.845      20.351
ma.L2         -1.9310     24.772     -0.078      0.938     -50.484      46.622
ar.S.L3        0.3130      2.272      0.138      0.890      -4.139       4.765
ar.S.L6        0.7670      2.529      0.303      0.762      -4.189       5.723
ma.S.L3        0.1084      3.279      0.033      0.974      -6.317       6.534
ma.S.L6       -0.1920      2.229     -0.086      0.931      -4.561       4.177
sigma2      3.644e+15   5.96e-15   6.11e+29      0.000    3.64e+15    3.64e+15
==============================================================================
Ljung-Box (L1) (Q):                  11.89   Jarque-Bera (JB):             1.89
Prob(Q):                              0.00   Prob(JB):                     0.39
Heteroskedasticity (H):               1.52   Skew:                         0.54
Prob(H) (two-sided):                  0.54   Kurtosis:                     3.73
==============================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 3.04e+46. Standard errors may be unstable.
```

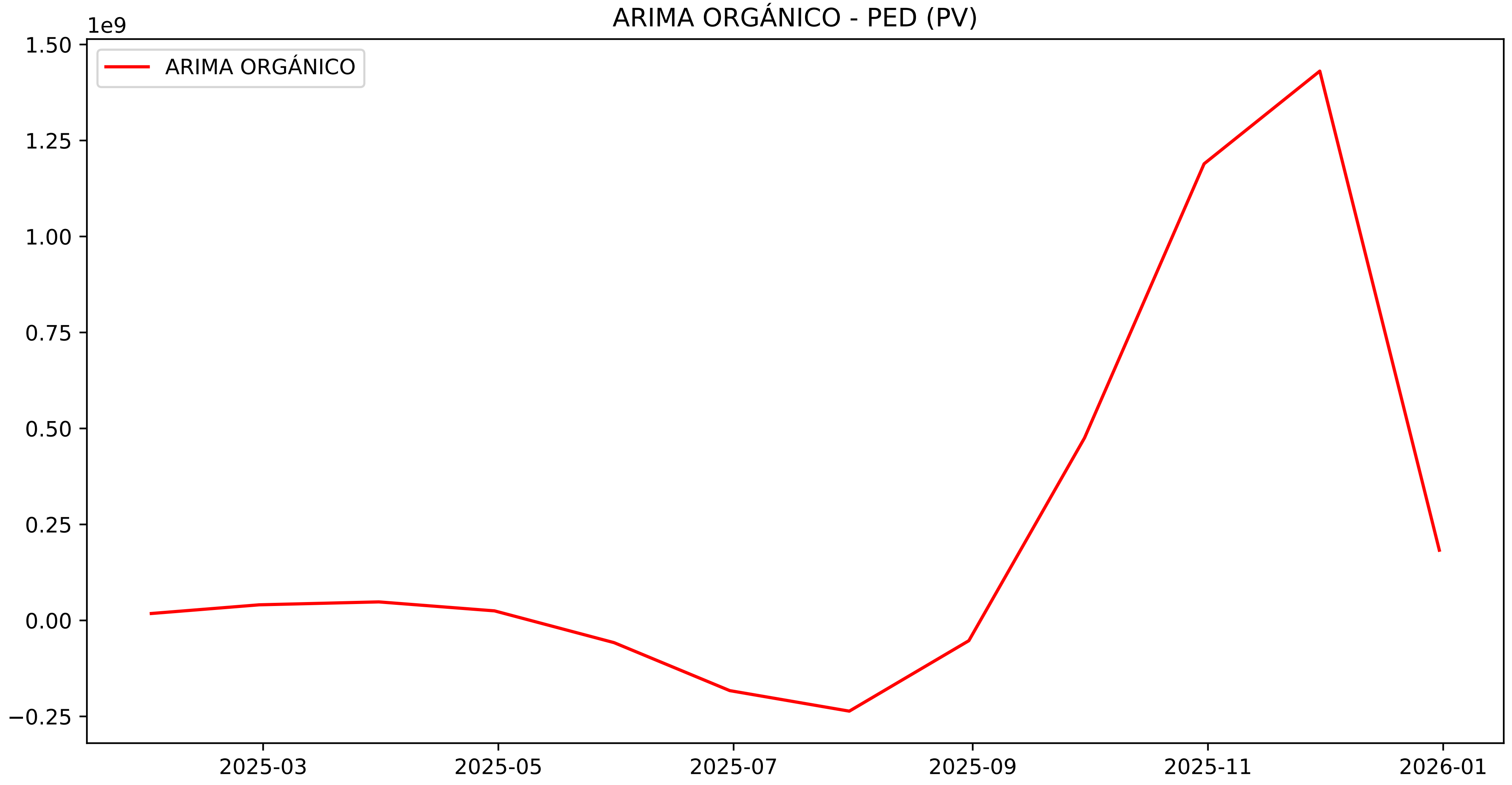

ARIMA ORGÁNICO - Cliente Nuevo
1e11
ARIMA ORGÁNICO
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                               SARIMAX Results
==============================================================================================
Dep. Variable:                    Cliente Nuevo   No. Observations:                   36
Model:             SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -643.824
Date:                          Wed, 23 Oct 2024   AIC                           1305.649
Time:                                  16:22:04   BIC                           1317.311
Sample:                              01-31-2022   HQIC                          1309.117
                                   - 12-31-2024
Covariance Type:                            opg
==============================================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          2.3649      0.068     34.559      0.000       2.231       2.499
ar.L2         -3.4158      0.204    -16.755      0.000      -3.815      -3.016
ma.L1         -2.9181      0.173    -16.909      0.000      -3.256      -2.580
ma.L2          0.7354      0.135      5.461      0.000       0.471       0.999
ar.S.L3        0.2743      0.058      4.758      0.000       0.161       0.387
ar.S.L6        0.6231      0.053     11.831      0.000       0.520       0.726
ma.S.L3        0.6019      0.065      9.314      0.000       0.475       0.729
ma.S.L6       -0.3867      0.055     -7.074      0.000      -0.494      -0.280
sigma2      1.082e+15   3.12e-16   3.47e+30      0.000    1.08e+15    1.08e+15
==============================================================================================
Ljung-Box (L1) (Q):                   2.37   Jarque-Bera (JB):                 1.15
Prob(Q):                              0.12   Prob(JB):                         0.56
Heteroskedasticity (H):               1.33   Skew:                             0.07
Prob(H) (two-sided):                  0.68   Kurtosis:                         2.00
==============================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.59e+46. Standard errors may be unstable.
```

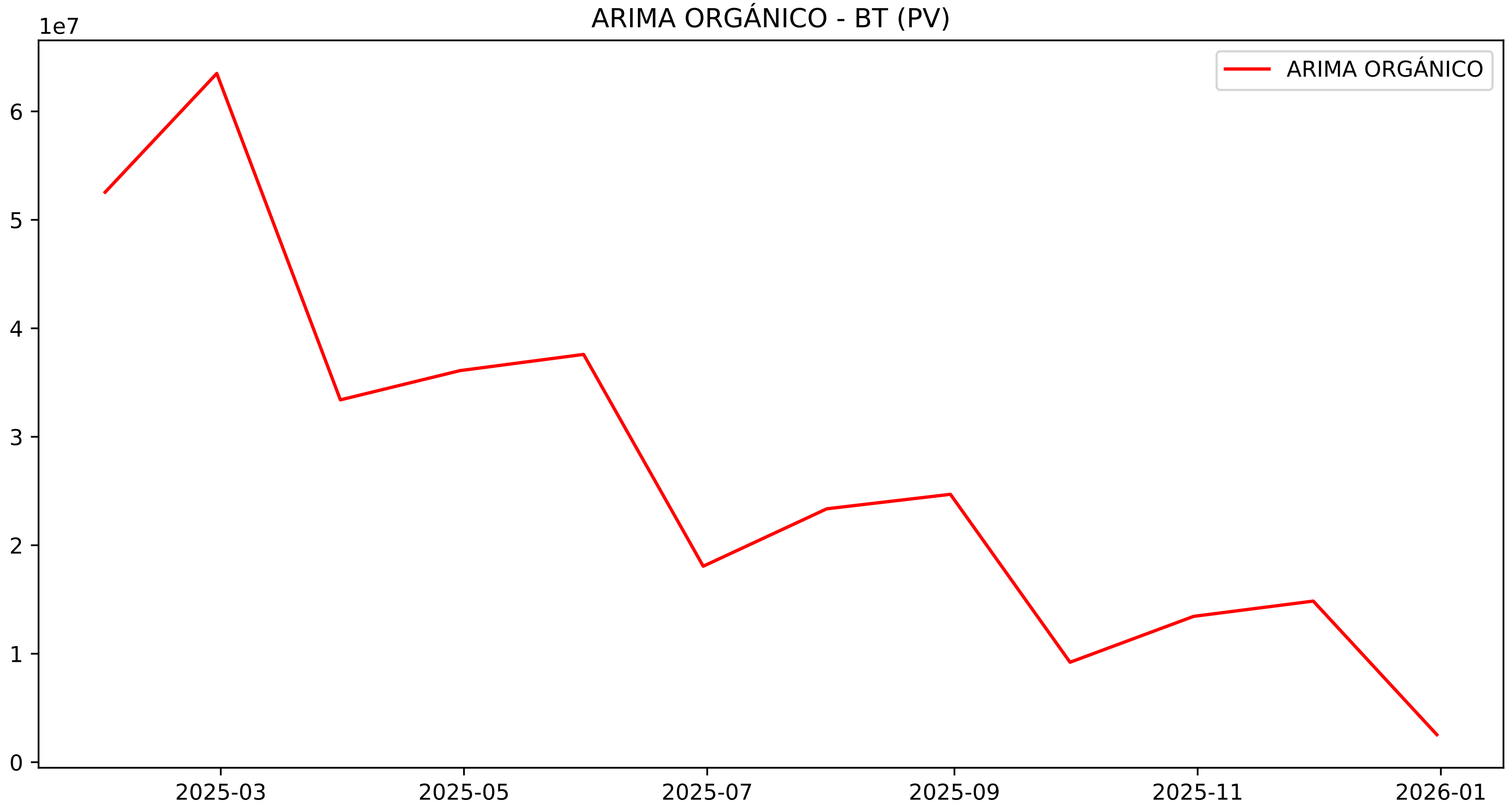


ARIMA ORGÁNICO - PED (remesa)
1e8
1.1
1.0
0.9
0.8
0.7
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

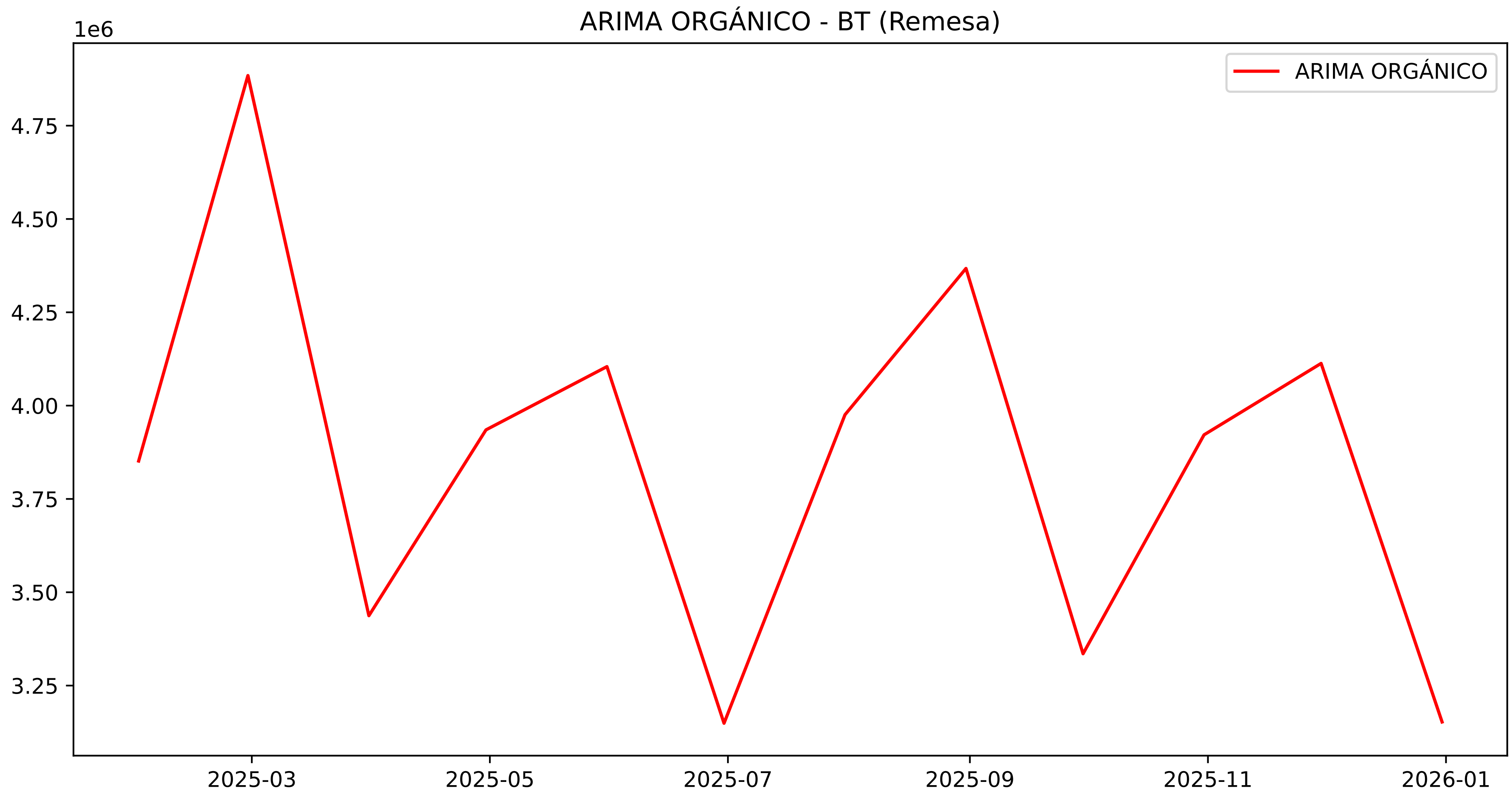
```
                               SARIMAX Results
==============================================================================
Dep. Variable:                PED (remesa)   No. Observations:              36
Model:           SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood           -480.030
Date:                   Wed, 23 Oct 2024   AIC                        978.059
Time:                           16:22:06   BIC                        989.722
Sample:                       01-31-2022   HQIC                       981.527
                            - 12-31-2024
Covariance Type:                     opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.4666      0.439      3.344      0.001       0.607       2.326
ar.L2         -0.6728      0.429     -1.568      0.117      -1.514       0.168
ma.L1         -1.0558      0.441     -2.397      0.017      -1.919      -0.192
ma.L2          0.1374      0.468      0.294      0.769      -0.780       1.054
ar.S.L3        0.1494      0.321      0.465      0.642      -0.480       0.779
ar.S.L6        0.9284      0.364      2.551      0.011       0.215       1.642
ma.S.L3       -0.4801      0.619     -0.776      0.438      -1.693       0.732
ma.S.L6       -0.3866      0.669     -0.578      0.563      -1.698       0.925
sigma2      2.196e+14   4.07e-15   5.39e+28      0.000     2.2e+14     2.2e+14
===================================================================================
Ljung-Box (L1) (Q):                   2.93   Jarque-Bera (JB):                 1.02
Prob(Q):                              0.09   Prob(JB):                         0.60
Heteroskedasticity (H):               0.44   Skew:                             0.45
Prob(H) (two-sided):                  0.23   Kurtosis:                         2.70
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 6.67e+45. Standard errors may be unstable.
```


ARIMA ORGÁNICO - PED (PV)
1e9
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

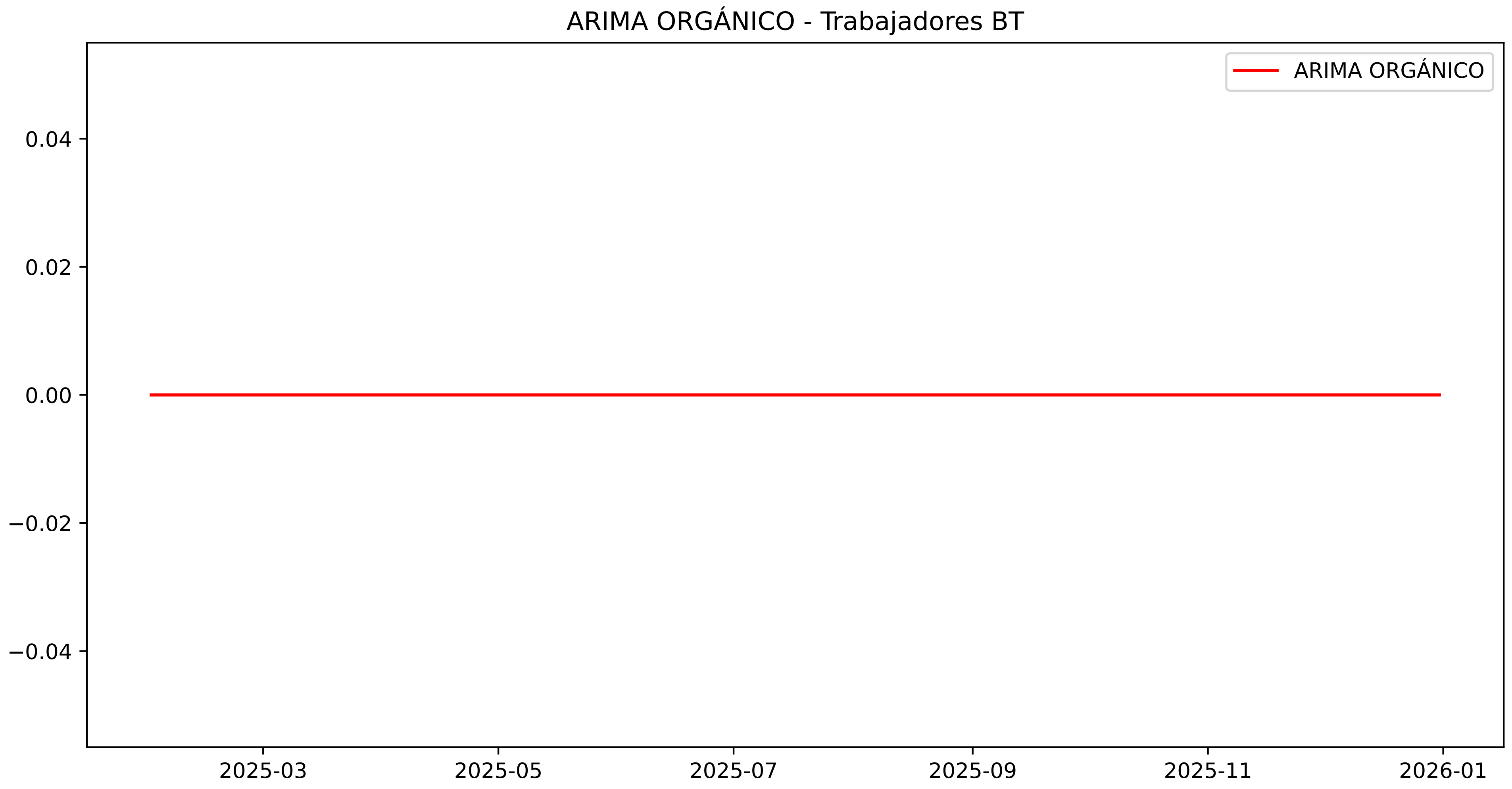
```
                               SARIMAX Results
==============================================================================
Dep. Variable:                      PED (PV)   No. Observations:                   36
Model:             SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood               -531.026
Date:                       Wed, 23 Oct 2024   AIC                           1080.052
Time:                               16:22:08   BIC                           1091.715
Sample:                           01-31-2022   HQIC                          1083.520
                                - 12-31-2024
Covariance Type:                         opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          2.1899      0.087     25.033      0.000       2.018       2.361
ar.L2         -2.4842      0.204    -12.175      0.000      -2.884      -2.084
ma.L1         -2.5419      0.136    -18.682      0.000      -2.809      -2.275
ma.L2          0.6586      0.195      3.377      0.001       0.276       1.041
ar.S.L3        0.3843      0.194      1.983      0.047       0.004       0.764
ar.S.L6        0.4537      0.190      2.393      0.017       0.082       0.825
ma.S.L3       -0.4657      0.154     -3.033      0.002      -0.767      -0.165
ma.S.L6        0.0788      0.151      0.520      0.603      -0.218       0.376
sigma2      2.125e+13   1.27e-14   1.68e+27      0.000    2.13e+13    2.13e+13
===================================================================================
Ljung-Box (L1) (Q):                   7.81   Jarque-Bera (JB):                 0.71
Prob(Q):                              0.01   Prob(JB):                         0.70
Heteroskedasticity (H):               0.08   Skew:                             0.13
Prob(H) (two-sided):                  0.00   Kurtosis:                         2.25
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 1.41e+43. Standard errors may be unstable.
```


ARIMA ORGÁNICO - BT (PV)
1e7
ARIMA ORGÁNICO
0
1
2
3
4
5
6
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

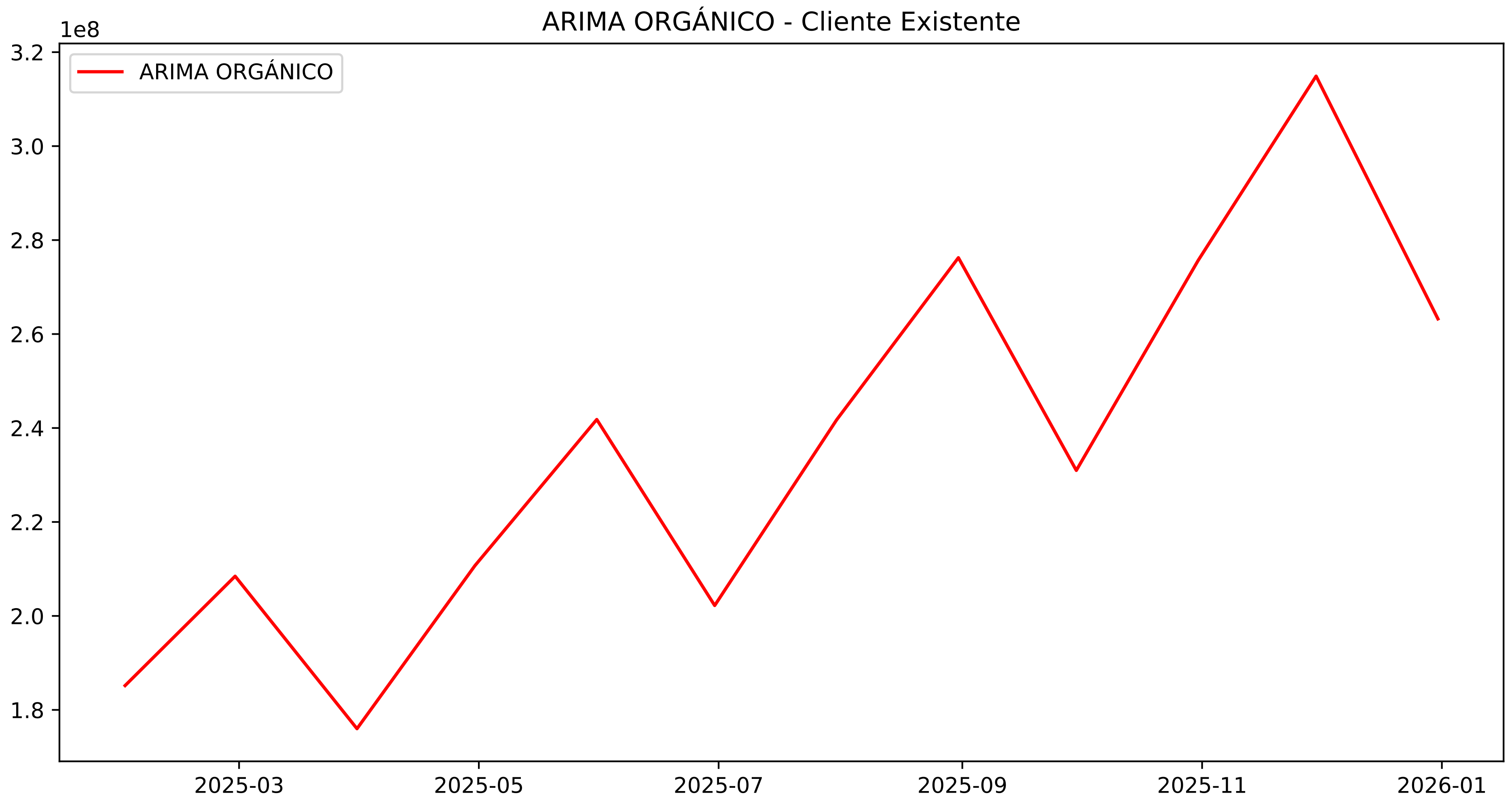
```
                           SARIMAX Results
==================================================================================
Dep. Variable:                    BT (PV)   No. Observations:                 36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood            -483.457
Date:                    Wed, 23 Oct 2024   AIC                            984.914
Time:                            16:22:10   BIC                            996.577
Sample:                        01-31-2022   HQIC                           988.382
                             - 12-31-2024
Covariance Type:                      opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.4671      0.515      0.906      0.365      -0.543       1.477
ar.L2          0.4641      0.391      1.185      0.236      -0.303       1.231
ma.L1          0.7223      0.256      2.816      0.005       0.220       1.225
ma.L2         -0.5654      0.462     -1.225      0.221      -1.470       0.339
ar.S.L3        0.7498      0.432      1.735      0.083      -0.097       1.597
ar.S.L6        0.0476      0.343      0.139      0.890      -0.625       0.720
ma.S.L3       -1.3207      0.227     -5.827      0.000      -1.765      -0.876
ma.S.L6        0.7080      0.342      2.069      0.039       0.037       1.379
sigma2       2.74e+14   5.16e-16   5.31e+29      0.000    2.74e+14    2.74e+14
===================================================================================
Ljung-Box (L1) (Q):                   0.15   Jarque-Bera (JB):                 0.61
Prob(Q):                              0.70   Prob(JB):                         0.74
Heteroskedasticity (H):               1.66   Skew:                            -0.07
Prob(H) (two-sided):                  0.46   Kurtosis:                         2.27
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 6.59e+45. Standard errors may be unstable.
```


ARIMA ORGÁNICO - BT (Remesa)
1e6
4.75
4.50
4.25
4.00
3.75
3.50
3.25
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

```
                           SARIMAX Results
=========================================================================================
Dep. Variable:                  BT (Remesa)   No. Observations:                   36
Model:           SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood              -409.466
Date:                      Wed, 23 Oct 2024   AIC                          836.933
Time:                              16:22:11   BIC                          848.595
Sample:                          01-31-2022   HQIC                         840.401
                               - 12-31-2024
Covariance Type:                        opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1         -0.1037      0.393     -0.264      0.792      -0.873       0.666
ar.L2         -0.1041      0.551     -0.189      0.850      -1.184       0.976
ma.L1          0.4061      0.239      1.699      0.089      -0.062       0.875
ma.L2          0.6896      0.113      6.121      0.000       0.469       0.910
ar.S.L3        0.2442      0.663      0.368      0.713      -1.055       1.544
ar.S.L6        0.7433      0.646      1.150      0.250      -0.523       2.010
ma.S.L3       -0.0392      0.583     -0.067      0.946      -1.181       1.103
ma.S.L6       -0.4425      0.343     -1.288      0.198      -1.116       0.231
sigma2       1.22e+12   1.58e-13   7.73e+24      0.000    1.22e+12    1.22e+12
===================================================================================
Ljung-Box (L1) (Q):                   0.04   Jarque-Bera (JB):                 0.27
Prob(Q):                              0.84   Prob(JB):                         0.87
Heteroskedasticity (H):               1.41   Skew:                             0.00
Prob(H) (two-sided):                  0.61   Kurtosis:                         2.51
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 1.53e+41. Standard errors may be unstable.
```


ARIMA ORGÁNICO - Trabajadores BT
ARIMA ORGÁNICO
0.04
0.02
0.00
−0.02
−0.04
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                           SARIMAX Results
==============================================================================
Dep. Variable:              Trabajadores BT   No. Observations:             36
Model:          SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood             286.038
Date:                      Wed, 23 Oct 2024   AIC                       -554.075
Time:                              16:22:13   BIC                       -542.413
Sample:                          01-31-2022   HQIC                      -550.607
                               - 12-31-2024
Covariance Type:                        opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1               0         -0        nan        nan           0           0
ar.L2               0         -0        nan        nan           0           0
ma.L1               0         -0        nan        nan           0           0
ma.L2               0         -0        nan        nan           0           0
ar.S.L3             0         -0        nan        nan           0           0
ar.S.L6             0         -0        nan        nan           0           0
ma.S.L3             0         -0        nan        nan           0           0
ma.S.L6             0         -0        nan        nan           0           0
sigma2          1e-10   3.81e-10      0.262      0.793   -6.48e-10    8.48e-10
==============================================================================
Ljung-Box (L1) (Q):                   nan   Jarque-Bera (JB):               nan
Prob(Q):                              nan   Prob(JB):                       nan
Heteroskedasticity (H):               nan   Skew:                           nan
Prob(H) (two-sided):                  nan   Kurtosis:                       nan
==============================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number    inf. Standard errors may be unstable.
```


ARIMA ORGÁNICO - Cliente Existente
1e8
3.2
3.0
2.8
2.6
2.4
2.2
2.0
1.8
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

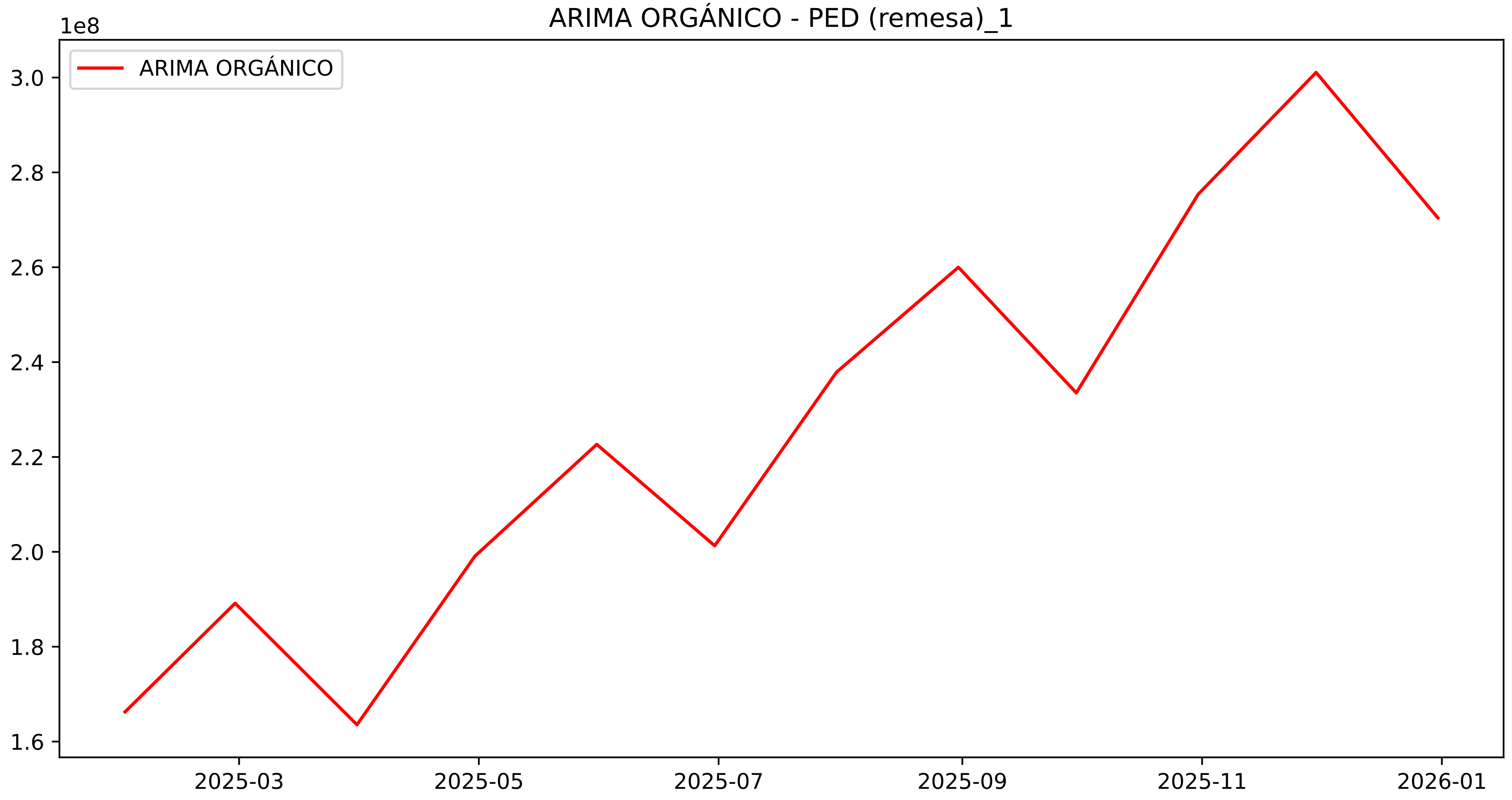
SARIMAX Results

Dep. Variable:	Cliente Existente	No. Observations:	36
Model:	SARIMAX(2, 0, 2)x(2, 0, 2, 3)	Log Likelihood	-490.977
Date:	Wed, 23 Oct 2024	AIC	999.953
Time:	16:22:15	BIC	1011.616
Sample:	01-31-2022	HQIC	1003.421
	- 12-31-2024		
Covariance Type:	opg		

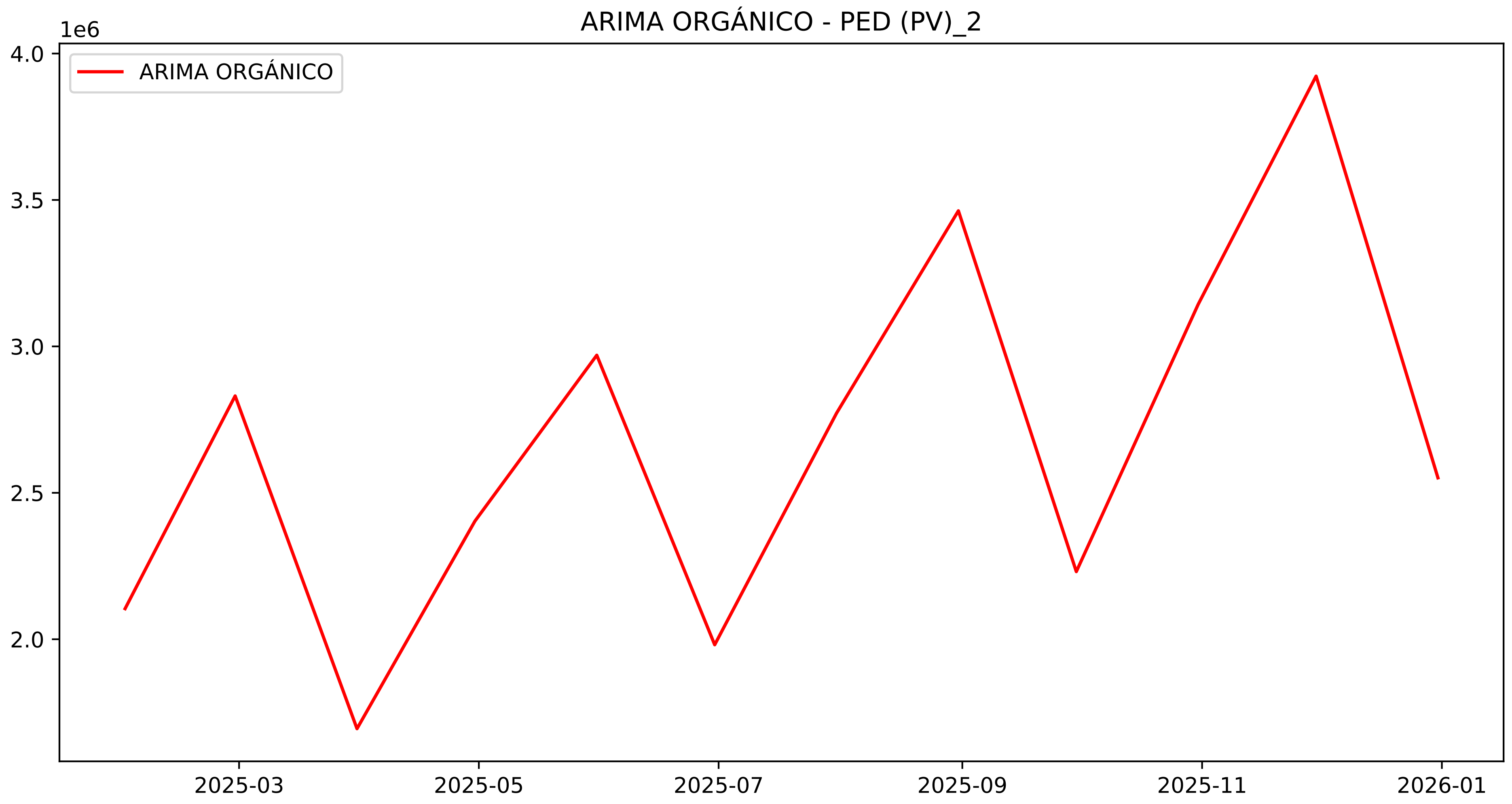
	coef	std err	z	P>|z|	[0.025	0.975]
ar.L1	0.1908	2.306	0.083	0.934	-4.328	4.710
ar.L2	0.3045	0.462	0.659	0.510	-0.601	1.210
ma.L1	1.1233	2.331	0.482	0.630	-3.444	5.691
ma.L2	-0.1329	2.593	-0.051	0.959	-5.215	4.949
ar.S.L3	1.1114	4.796	0.232	0.817	-8.290	10.512
ar.S.L6	0.0314	5.446	0.006	0.995	-10.643	10.706
ma.S.L3	-0.6011	3.978	-0.151	0.880	-8.398	7.196
ma.S.L6	-0.0389	3.133	-0.012	0.990	-6.180	6.102
sigma2	5.11e+14	6.23e-14	8.2e+27	0.000	5.11e+14	5.11e+14

Ljung-Box (L1) (Q):	0.04	Jarque-Bera (JB):	0.79
Prob(Q):	0.85	Prob(JB):	0.67
Heteroskedasticity (H):	1.16	Skew:	-0.31
Prob(H) (two-sided):	0.83	Kurtosis:	2.45

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.13e+44. Standard errors may be unstable.

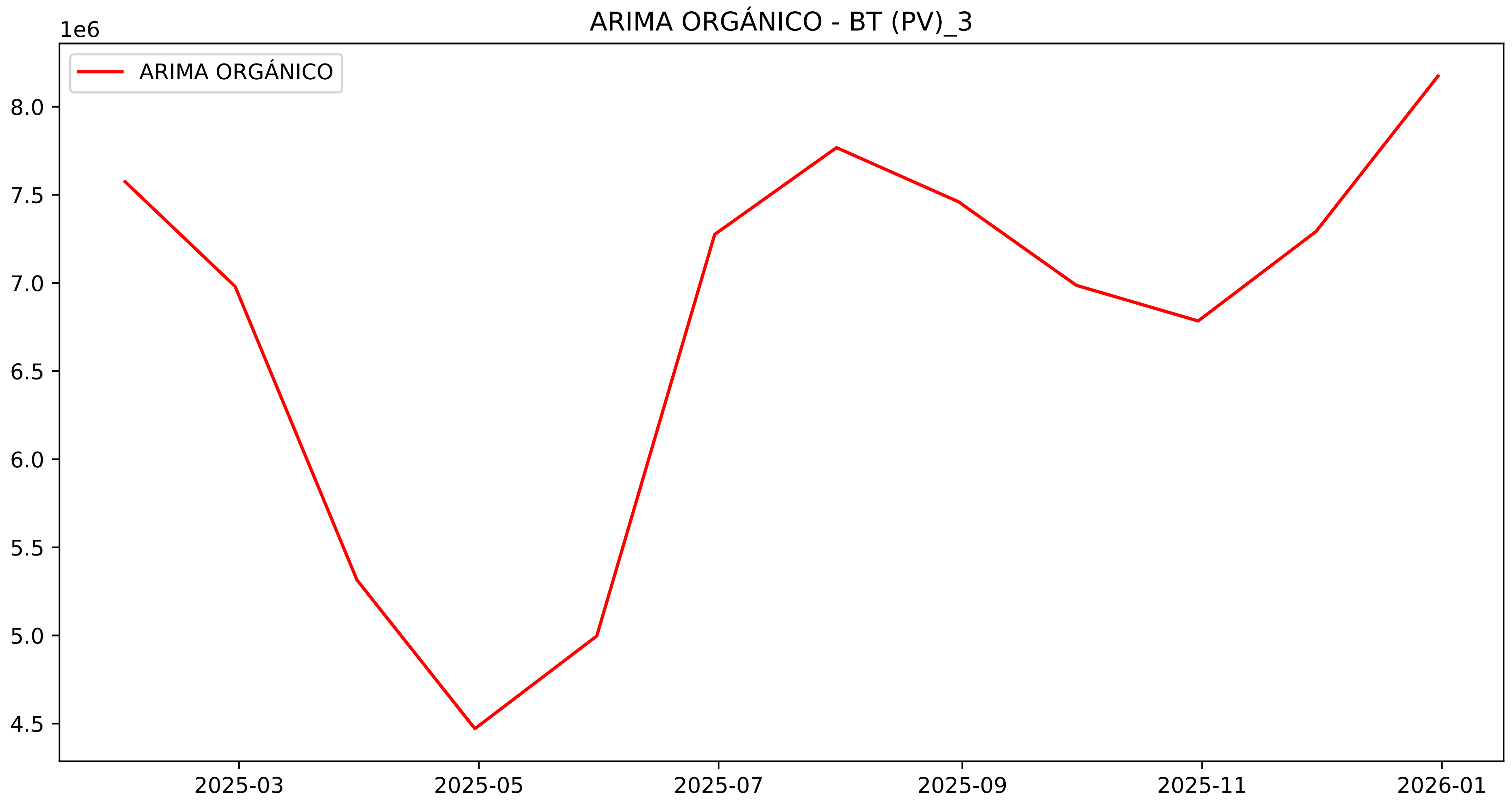

ARIMA ORGÁNICO - PED (remesa)_1
1e8
ARIMA ORGÁNICO
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                           SARIMAX Results
==============================================================================
Dep. Variable:                 PED (remesa)_1   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -490.105
Date:                        Wed, 23 Oct 2024   AIC                            998.210
Time:                                16:22:16   BIC                           1009.872
Sample:                            01-31-2022   HQIC                          1001.678
                                 - 12-31-2024
Covariance Type:                          opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.1174      0.779      0.151      0.880      -1.410       1.645
ar.L2          0.1224      0.295      0.415      0.678      -0.455       0.700
ma.L1          1.1916      0.632      1.886      0.059      -0.046       2.430
ma.L2          0.0010      0.931      0.001      0.999      -1.824       1.826
ar.S.L3        1.0945      1.241      0.882      0.378      -1.337       3.526
ar.S.L6        0.0733      1.473      0.050      0.960      -2.814       2.960
ma.S.L3       -0.5887      1.053     -0.559      0.576      -2.653       1.476
ma.S.L6       -0.3564      1.091     -0.327      0.744      -2.495       1.782
sigma2      4.803e+14   2.32e-15   2.07e+29      0.000     4.8e+14     4.8e+14
==============================================================================
Ljung-Box (L1) (Q):                   0.20   Jarque-Bera (JB):                 0.91
Prob(Q):                              0.66   Prob(JB):                         0.63
Heteroskedasticity (H):               0.66   Skew:                             0.02
Prob(H) (two-sided):                  0.54   Kurtosis:                         2.10
==============================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 3.76e+46. Standard errors may be unstable.
```



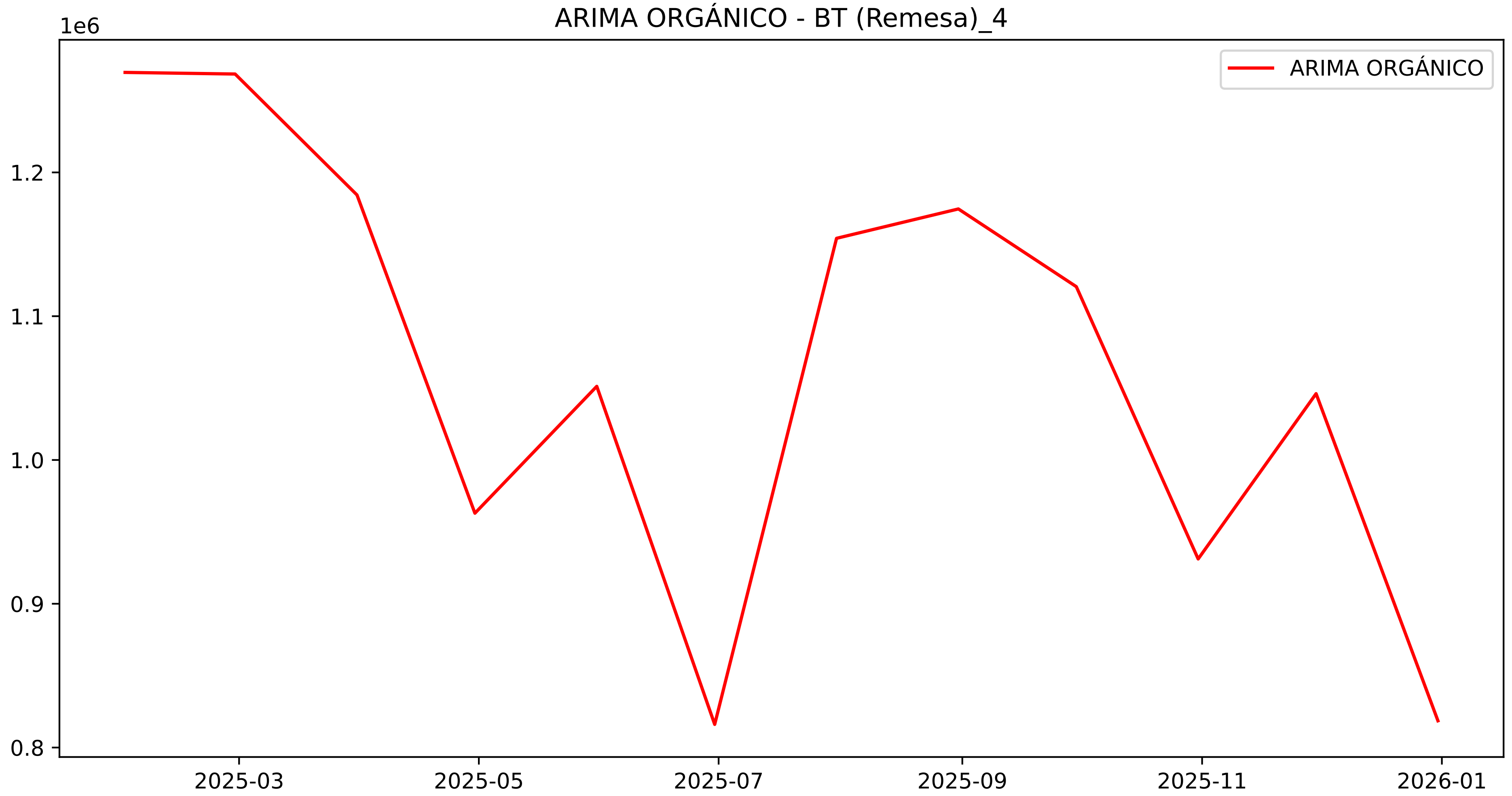
ARIMA ORGÁNICO - PED (PV)_2
1e6
4.0
3.5
3.0
2.5
2.0
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                               SARIMAX Results
===================================================================================
Dep. Variable:                      PED (PV)_2   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -382.283
Date:                       Wed, 23 Oct 2024   AIC                            782.567
Time:                               16:22:18   BIC                            794.229
Sample:                           01-31-2022   HQIC                           786.035
                                - 12-31-2024
Covariance Type:                         opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.3100      0.456      0.680      0.497      -0.584       1.204
ar.L2         -0.3136      0.402     -0.781      0.435      -1.101       0.474
ma.L1         -0.7268      0.713     -1.019      0.308      -2.125       0.671
ma.L2          1.3454      0.524      2.569      0.010       0.319       2.372
ar.S.L3        0.8354      0.696      1.201      0.230      -0.528       2.199
ar.S.L6        0.3461      0.851      0.407      0.684      -1.322       2.014
ma.S.L3       -0.4974      0.855     -0.582      0.561      -2.174       1.179
ma.S.L6       -0.0792      0.587     -0.135      0.893      -1.231       1.072
sigma2       1.94e+11   1.02e-12    1.9e+23      0.000    1.94e+11    1.94e+11
===================================================================================
Ljung-Box (L1) (Q):                   0.79   Jarque-Bera (JB):                 0.72
Prob(Q):                              0.37   Prob(JB):                         0.70
Heteroskedasticity (H):               0.99   Skew:                            -0.02
Prob(H) (two-sided):                  0.99   Kurtosis:                         2.20
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 7.54e+39. Standard errors may be unstable.
```



ARIMA ORGÁNICO - BT (PV)_3
1e6
ARIMA ORGÁNICO
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                                        SARIMAX Results
==========================================================================================
Dep. Variable:                        BT (PV)_3   No. Observations:                   36
Model:             SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -417.218
Date:                          Wed, 23 Oct 2024   AIC                            852.437
Time:                                  16:22:19   BIC                            864.099
Sample:                              01-31-2022   HQIC                           855.905
                                   - 12-31-2024
Covariance Type:                            opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.3723      0.154      2.417      0.016       0.070       0.674
ar.L2          0.6826      0.158      4.311      0.000       0.372       0.993
ma.L1         -0.3282      0.262     -1.253      0.210      -0.842       0.185
ma.L2         -1.0807      0.292     -3.705      0.000      -1.652      -0.509
ar.S.L3       -0.1900      0.313     -0.608      0.543      -0.803       0.423
ar.S.L6        0.2624      0.262      1.001      0.317      -0.252       0.776
ma.S.L3        0.3981      0.339      1.175      0.240      -0.266       1.062
ma.S.L6       -0.7427      0.430     -1.725      0.084      -1.586       0.101
sigma2      2.141e+12   7.31e-14   2.93e+25      0.000    2.14e+12    2.14e+12
===================================================================================
Ljung-Box (L1) (Q):                   0.51   Jarque-Bera (JB):                 0.97
Prob(Q):                              0.47   Prob(JB):                         0.62
Heteroskedasticity (H):               1.55   Skew:                             0.12
Prob(H) (two-sided):                  0.53   Kurtosis:                         2.10
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 3.47e+41. Standard errors may be unstable.
```


ARIMA ORGÁNICO - BT (Remesa)_4
1e6
ARIMA ORGÁNICO
1.2
1.1
1.0
0.9
0.8
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

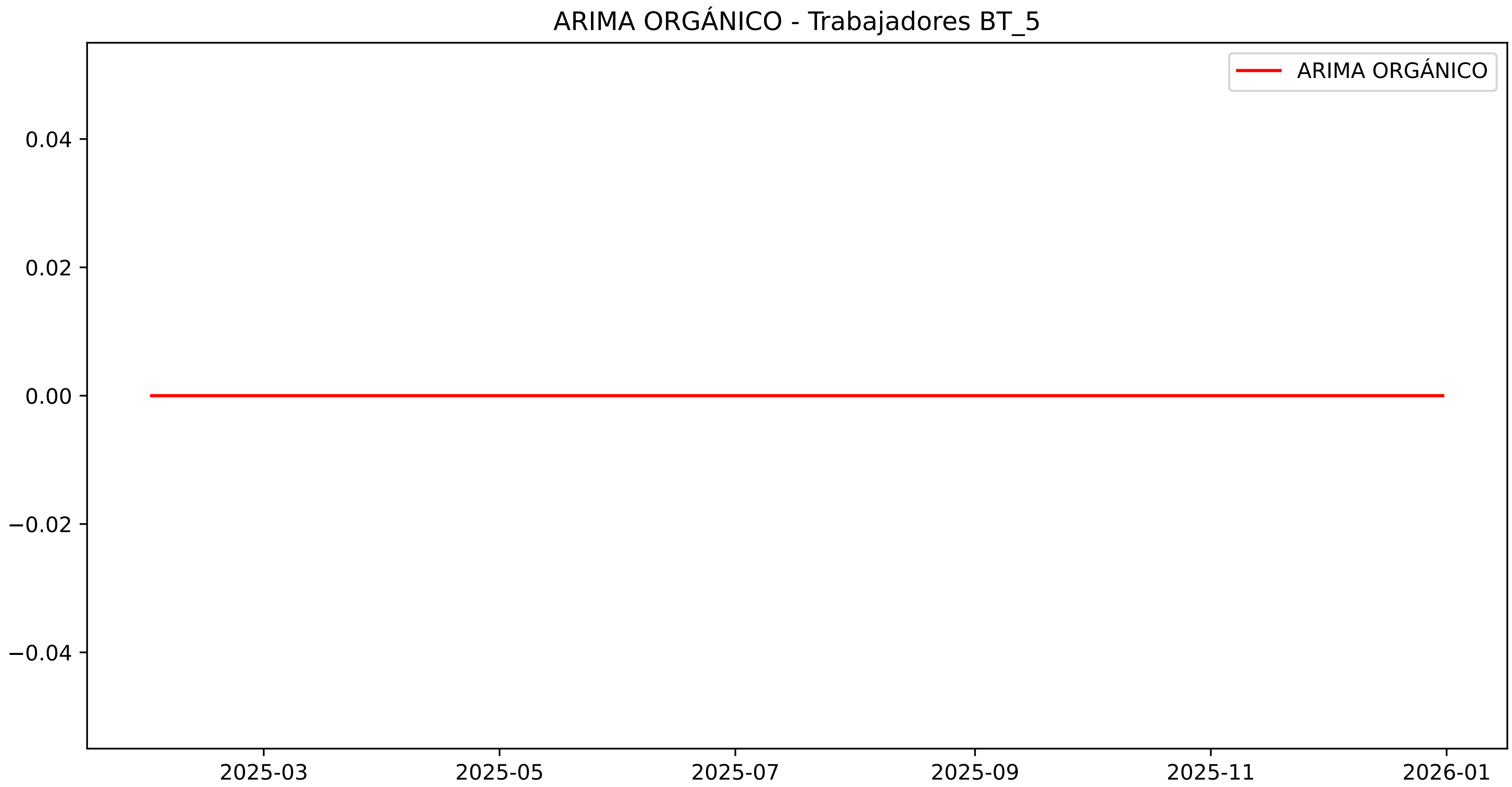
SARIMAX Results

Dep. Variable:	BT (Remesa)_4	No. Observations:	36
Model:	SARIMAX(2, 0, 2)x(2, 0, 2, 3)	Log Likelihood	-369.728
Date:	Wed, 23 Oct 2024	AIC	757.457
Time:	16:22:21	BIC	769.119
Sample:	01-31-2022	HQIC	760.925
	- 12-31-2024		
Covariance Type:	opg		

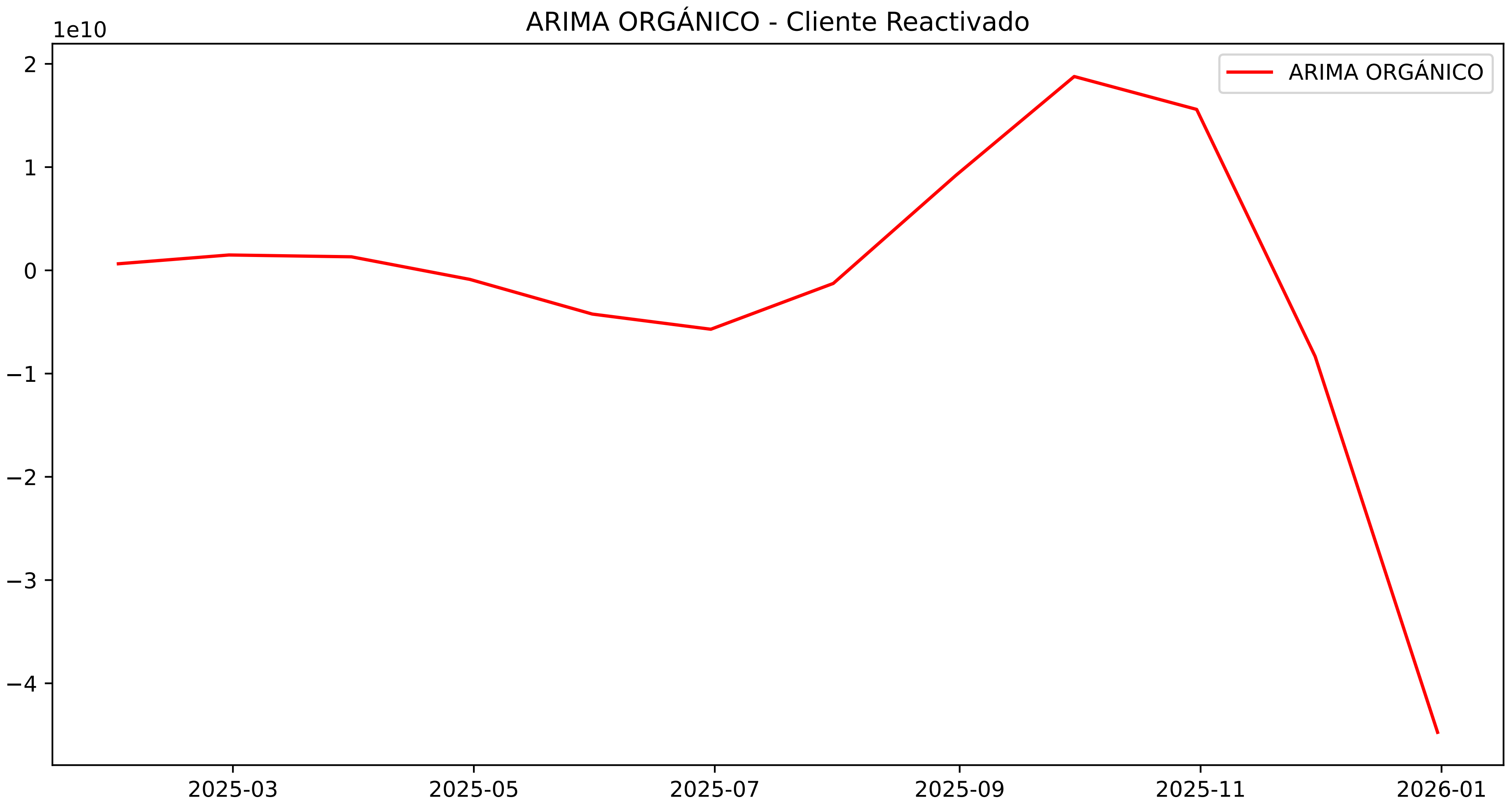
	coef	std err	z	P>|z|	[0.025	0.975]
ar.L1	0.6785	0.565	1.200	0.230	-0.430	1.787
ar.L2	0.0785	0.493	0.159	0.873	-0.887	1.044
ma.L1	0.0813	0.668	0.122	0.903	-1.229	1.391
ma.L2	0.1080	0.337	0.321	0.748	-0.552	0.768
ar.S.L3	0.0322	0.145	0.222	0.825	-0.252	0.316
ar.S.L6	1.0360	0.132	7.833	0.000	0.777	1.295
ma.S.L3	0.0369	0.199	0.186	0.853	-0.353	0.426
ma.S.L6	-0.8611	0.176	-4.886	0.000	-1.207	-0.516
sigma2	6.3e+10	1.43e-12	4.4e+22	0.000	6.3e+10	6.3e+10

Ljung-Box (L1) (Q):	0.19	Jarque-Bera (JB):	1.00
Prob(Q):	0.66	Prob(JB):	0.61
Heteroskedasticity (H):	1.86	Skew:	0.12
Prob(H) (two-sided):	0.37	Kurtosis:	2.09

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.66e+39. Standard errors may be unstable.


ARIMA ORGÁNICO - Trabajadores BT_5
ARIMA ORGÁNICO
0.04
0.02
0.00
−0.02
−0.04
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                               SARIMAX Results
==========================================================================================
Dep. Variable:                Trabajadores BT_5   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                 286.038
Date:                          Wed, 23 Oct 2024   AIC                           -554.075
Time:                                  16:22:22   BIC                           -542.413
Sample:                              01-31-2022   HQIC                          -550.607
                                   - 12-31-2024
Covariance Type:                            opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1               0         -0        nan        nan           0           0
ar.L2               0         -0        nan        nan           0           0
ma.L1               0         -0        nan        nan           0           0
ma.L2               0         -0        nan        nan           0           0
ar.S.L3             0         -0        nan        nan           0           0
ar.S.L6             0         -0        nan        nan           0           0
ma.S.L3             0         -0        nan        nan           0           0
ma.S.L6             0         -0        nan        nan           0           0
sigma2          1e-10   3.81e-10      0.262      0.793   -6.48e-10    8.48e-10
===================================================================================
Ljung-Box (L1) (Q):                   nan   Jarque-Bera (JB):                  nan
Prob(Q):                              nan   Prob(JB):                          nan
Heteroskedasticity (H):               nan   Skew:                              nan
Prob(H) (two-sided):                  nan   Kurtosis:                          nan
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number    inf. Standard errors may be unstable.
```


ARIMA ORGÁNICO - Cliente Reactivado
1e10
2
1
0
−1
−2
−3
−4
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

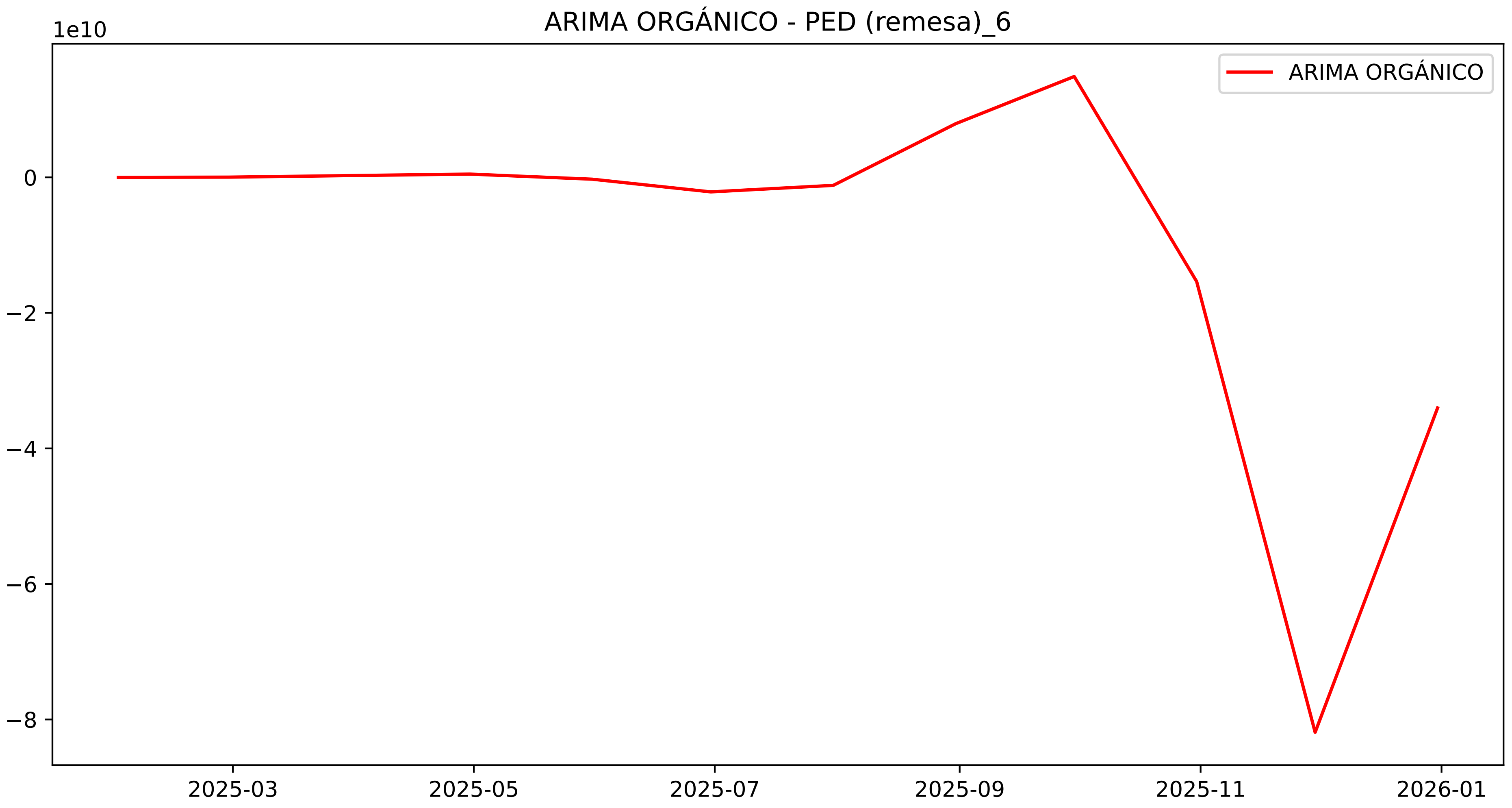
SARIMAX Results

Dep. Variable:	Cliente Reactivado	No. Observations:	36
Model:	SARIMAX(2, 0, 2)x(2, 0, 2, 3)	Log Likelihood	-1375.094
Date:	Wed, 23 Oct 2024	AIC	2768.188
Time:	16:22:24	BIC	2779.851
Sample:	01-31-2022	HQIC	2771.656
	- 12-31-2024		
Covariance Type:	opg		

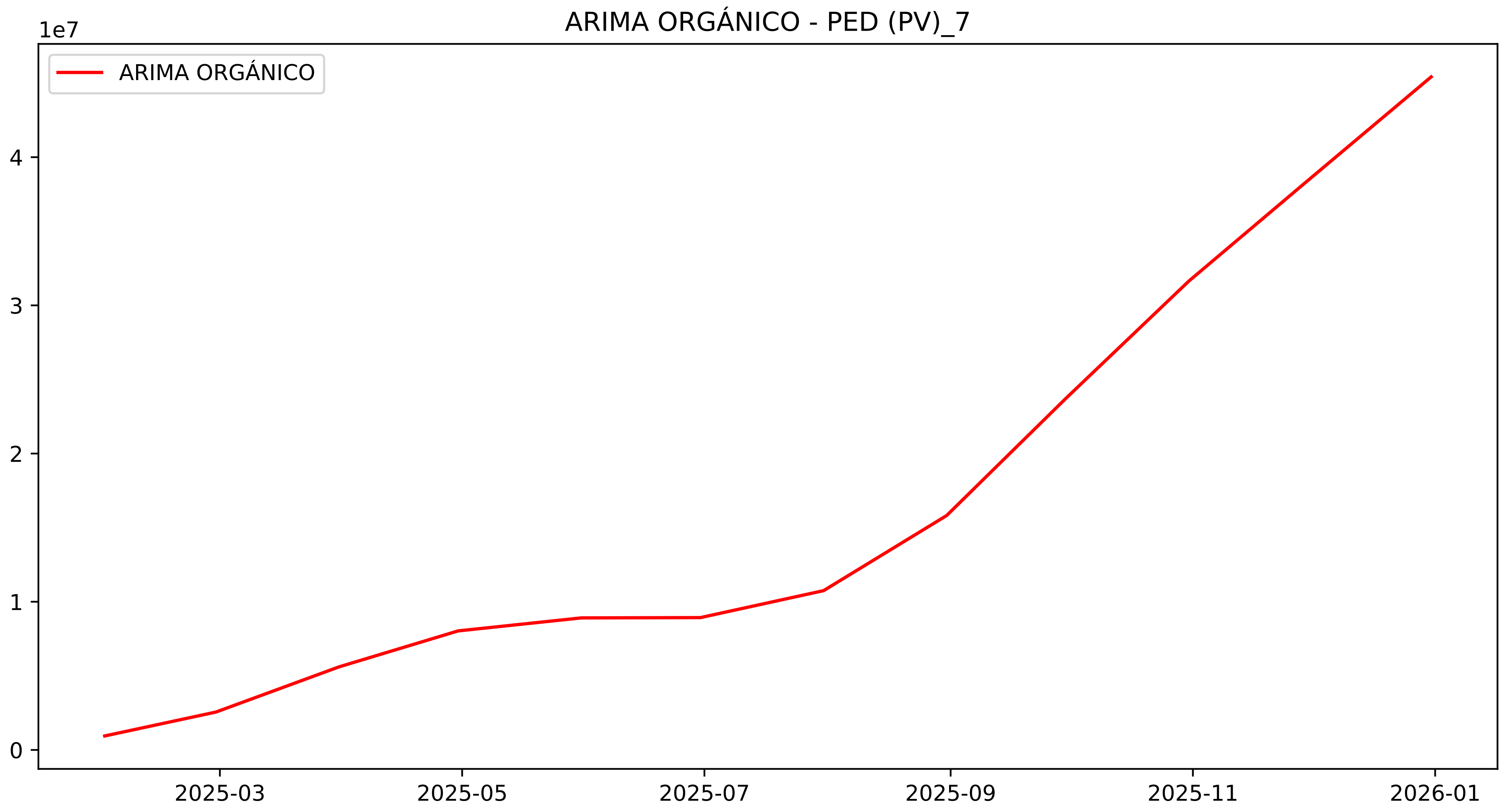
	coef	std err	z	P>|z|	[0.025	0.975]
ar.L1	1.7952	0.036	50.394	0.000	1.725	1.865
ar.L2	-1.9252	0.073	-26.260	0.000	-2.069	-1.781
ma.L1	-2.1282	0.010	-214.484	0.000	-2.148	-2.109
ma.L2	0.2537	0.016	15.384	0.000	0.221	0.286
ar.S.L3	-0.0657	0.003	-20.766	0.000	-0.072	-0.059
ar.S.L6	1.0404	0.005	205.916	0.000	1.031	1.050
ma.S.L3	0.5489	0.016	33.373	0.000	0.517	0.581
ma.S.L6	-0.7234	0.021	-34.572	0.000	-0.764	-0.682
sigma2	3.259e+14	nan	nan	nan	nan	nan

Ljung-Box (L1) (Q):	7.33	Jarque-Bera (JB):	0.68
Prob(Q):	0.01	Prob(JB):	0.71
Heteroskedasticity (H):	4.33	Skew:	-0.04
Prob(H) (two-sided):	0.04	Kurtosis:	2.23

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 4.81e+46. Standard errors may be unstable.

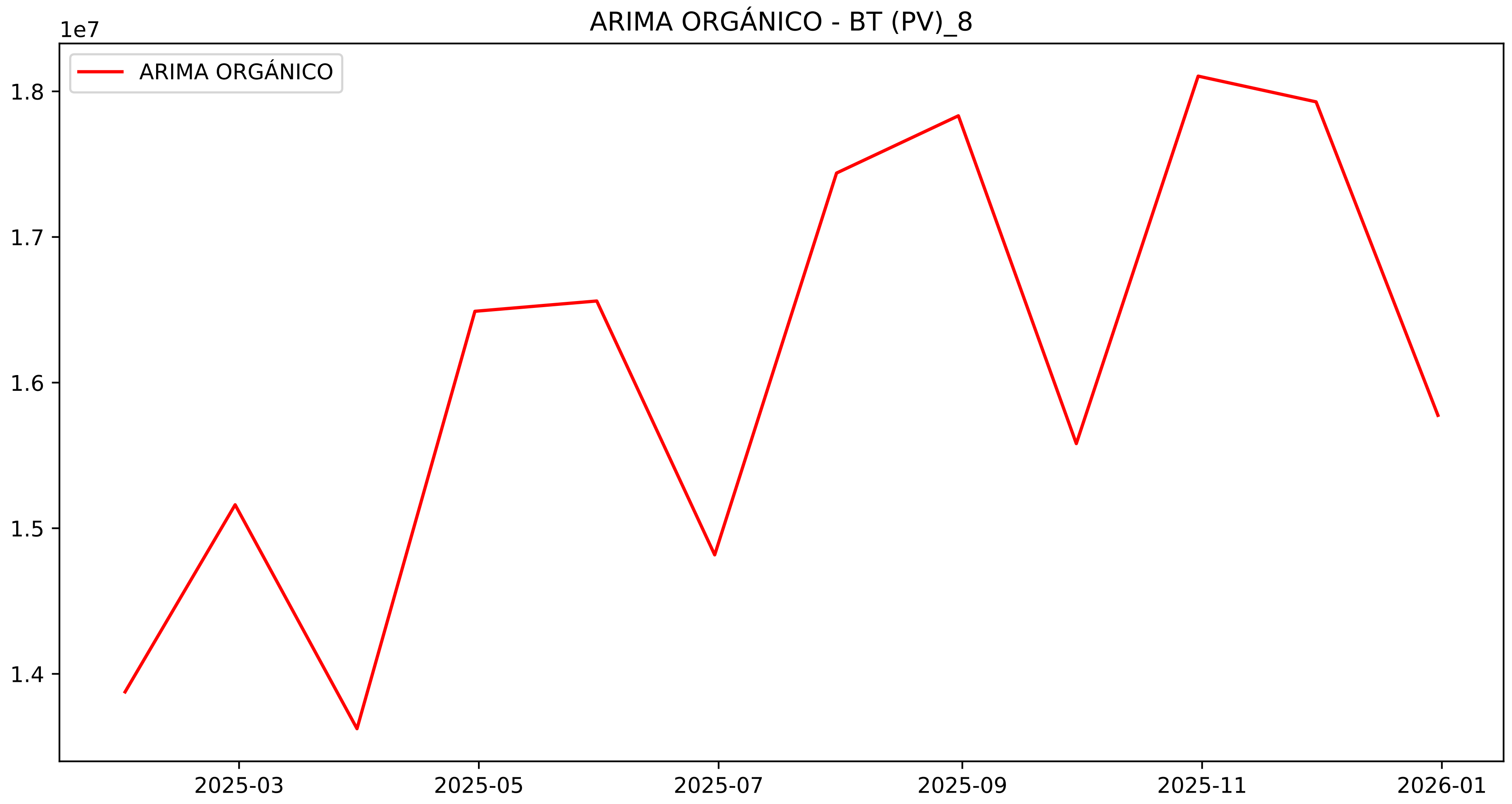

ARIMA ORGÁNICO - PED (remesa)_6
1e10
ARIMA ORGÁNICO
0
−2
−4
−6
−8
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                               SARIMAX Results
==============================================================================
Dep. Variable:               PED (remesa)_6   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -532.800
Date:                      Wed, 23 Oct 2024   AIC                           1083.600
Time:                              16:22:25   BIC                           1095.262
Sample:                          01-31-2022   HQIC                          1087.068
                               - 12-31-2024
Covariance Type:                        opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.2174      0.553      2.200      0.028       0.133       2.302
ar.L2         -4.2602      4.774     -0.892      0.372     -13.617       5.096
ma.L1         -9.1841      3.308     -2.776      0.005     -15.668      -2.700
ma.L2          0.3305     10.545      0.031      0.975     -20.337      20.998
ar.S.L3        0.4009      1.102      0.364      0.716      -1.760       2.561
ar.S.L6        0.4946      1.166      0.424      0.672      -1.791       2.780
ma.S.L3       -0.4627      0.708     -0.653      0.514      -1.851       0.926
ma.S.L6        0.0834      0.585      0.143      0.887      -1.064       1.230
sigma2          2e+14   9.36e-14   2.14e+27      0.000       2e+14       2e+14
===================================================================================
Ljung-Box (L1) (Q):                   0.46   Jarque-Bera (JB):                 0.59
Prob(Q):                              0.50   Prob(JB):                         0.74
Heteroskedasticity (H):               1.85   Skew:                            -0.24
Prob(H) (two-sided):                  0.37   Kurtosis:                         2.45
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.27e+44. Standard errors may be unstable.
```



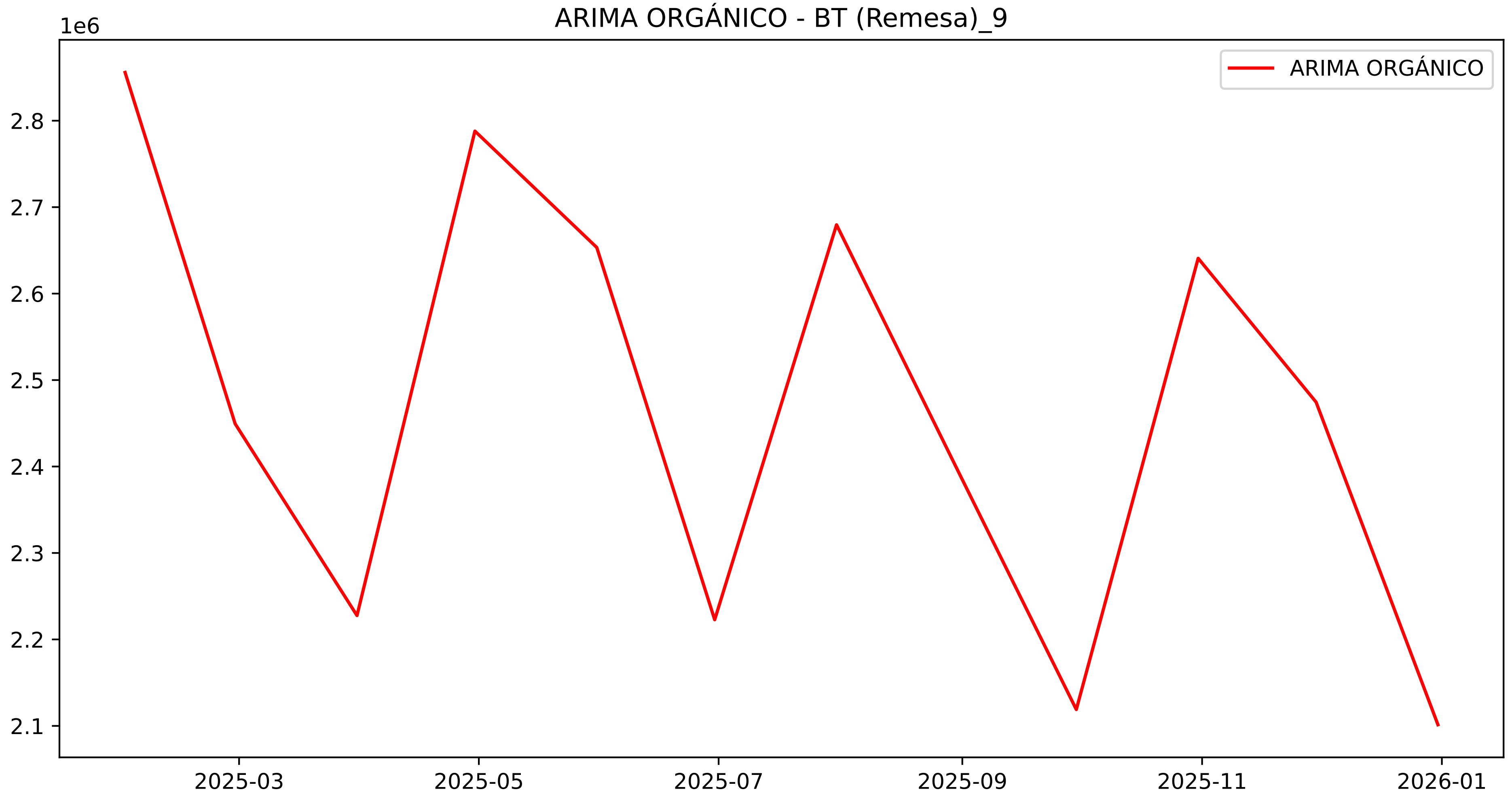
ARIMA ORGÁNICO - PED (PV)_7
1e7
ARIMA ORGÁNICO
0
1
2
3
4
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                          SARIMAX Results
==============================================================================
Dep. Variable:                  PED (PV)_7   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood               -420.993
Date:                     Wed, 23 Oct 2024   AIC                            859.986
Time:                             16:22:27   BIC                            871.649
Sample:                         01-31-2022   HQIC                           863.454
                              - 12-31-2024
Covariance Type:                       opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          2.4823      0.163     15.266      0.000       2.164       2.801
ar.L2         -1.5410      0.181     -8.499      0.000      -1.896      -1.186
ma.L1         -2.3651      0.510     -4.634      0.000      -3.365      -1.365
ma.L2          0.5353      0.560      0.956      0.339      -0.562       1.632
ar.S.L3       -0.8325      2.217     -0.375      0.707      -5.179       3.514
ar.S.L6        0.4792      3.052      0.157      0.875      -5.503       6.461
ma.S.L3        0.8367      2.370      0.353      0.724      -3.809       5.482
ma.S.L6       -0.5738      3.306     -0.174      0.862      -7.053       5.906
sigma2      5.403e+11      3e-11    1.8e+22      0.000     5.4e+11     5.4e+11
==============================================================================
Ljung-Box (L1) (Q):                   0.09   Jarque-Bera (JB):                 1.03
Prob(Q):                              0.77   Prob(JB):                         0.60
Heteroskedasticity (H):               0.63   Skew:                            -0.47
Prob(H) (two-sided):                  0.50   Kurtosis:                         2.78
==============================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 8.36e+39. Standard errors may be unstable.
```



ARIMA ORGÁNICO - BT (PV)_8
1e7
ARIMA ORGÁNICO
1.8
1.7
1.6
1.5
1.4
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                          SARIMAX Results
==================================================================================
Dep. Variable:                    BT (PV)_8   No. Observations:                  36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood              -444.492
Date:                      Wed, 23 Oct 2024   AIC                            906.984
Time:                              16:22:28   BIC                            918.647
Sample:                          01-31-2022   HQIC                           910.452
                               - 12-31-2024
Covariance Type:                        opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.4705      0.217      6.791      0.000       1.046       1.895
ar.L2         -0.5828      0.243     -2.400      0.016      -1.059      -0.107
ma.L1         -1.2996      0.328     -3.967      0.000      -1.942      -0.657
ma.L2          0.1768      0.334      0.529      0.597      -0.478       0.831
ar.S.L3        0.2096      0.284      0.738      0.460      -0.347       0.766
ar.S.L6        0.8453      0.312      2.711      0.007       0.234       1.456
ma.S.L3       -0.1589      0.335     -0.474      0.635      -0.816       0.498
ma.S.L6       -0.8763      0.377     -2.324      0.020      -1.615      -0.137
sigma2      1.614e+13   6.52e-15   2.48e+27      0.000    1.61e+13    1.61e+13
===================================================================================
Ljung-Box (L1) (Q):                   0.05   Jarque-Bera (JB):                 0.74
Prob(Q):                              0.82   Prob(JB):                         0.69
Heteroskedasticity (H):               0.30   Skew:                            -0.32
Prob(H) (two-sided):                  0.09   Kurtosis:                         2.51
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.36e+44. Standard errors may be unstable.
```


ARIMA ORGÁNICO - BT (Remesa)_9
1e6
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

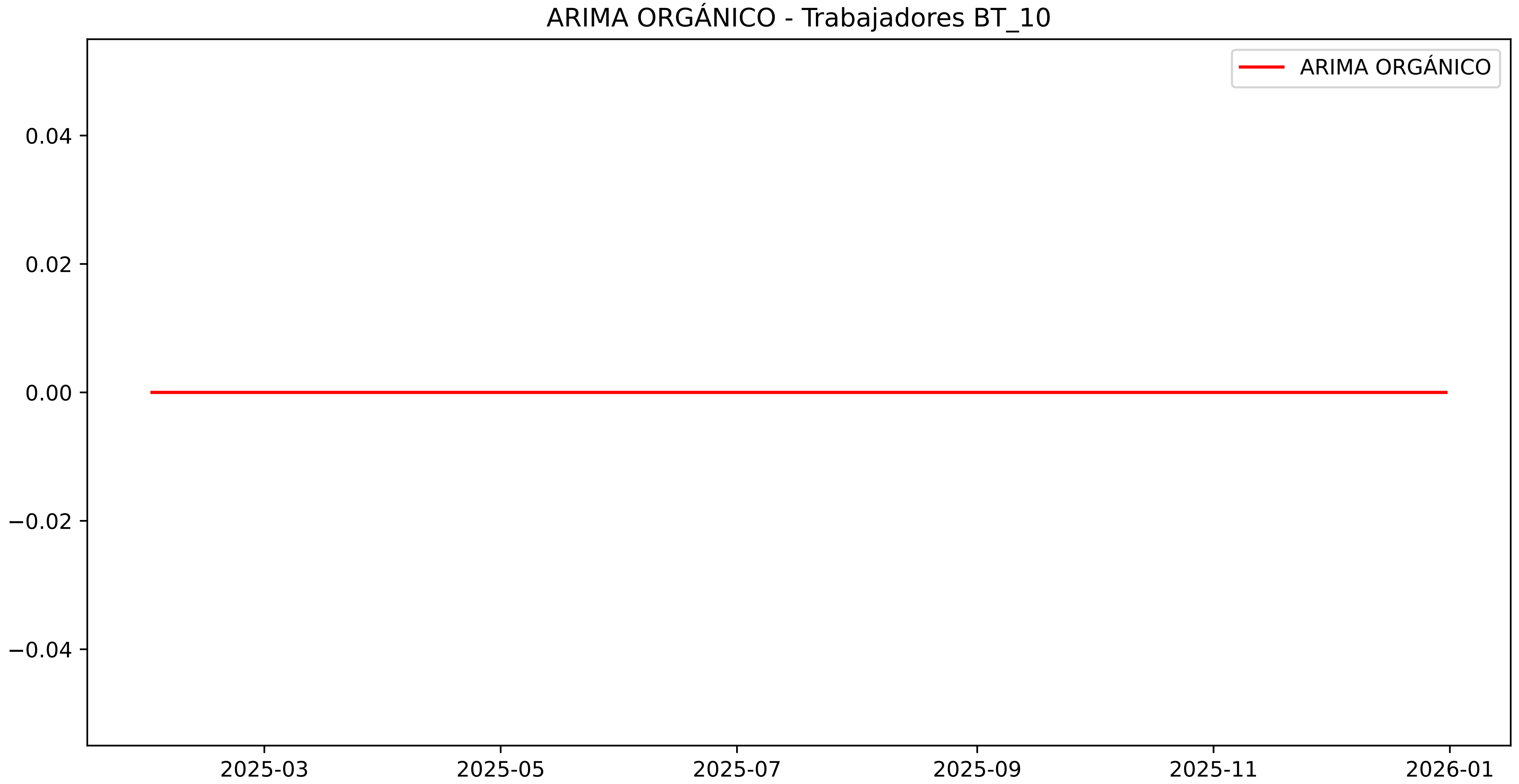
SARIMAX Results

Dep. Variable:	BT (Remesa)_9	No. Observations:	36
Model:	SARIMAX(2, 0, 2)x(2, 0, 2, 3)	Log Likelihood	-399.258
Date:	Wed, 23 Oct 2024	AIC	816.516
Time:	16:22:30	BIC	828.178
Sample:	01-31-2022	HQIC	819.984
	- 12-31-2024		
Covariance Type:	opg		

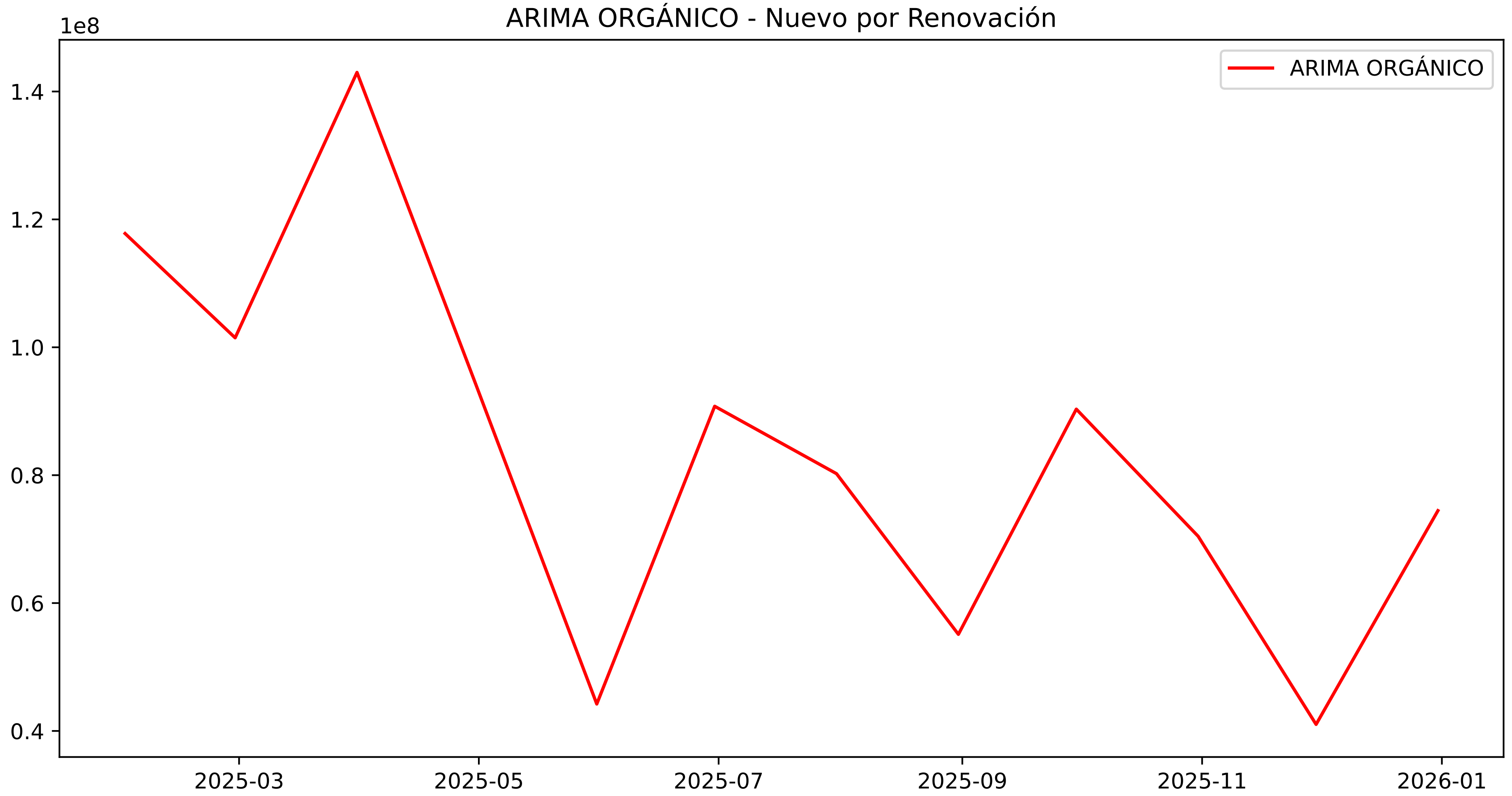
	coef	std err	z	P>|z|	[0.025	0.975]
ar.L1	0.4633	0.387	1.197	0.231	-0.295	1.222
ar.L2	0.3339	0.320	1.042	0.297	-0.294	0.962
ma.L1	0.4529	0.416	1.089	0.276	-0.363	1.268
ma.L2	-0.7634	0.436	-1.751	0.080	-1.618	0.091
ar.S.L3	0.2466	0.358	0.689	0.491	-0.455	0.948
ar.S.L6	0.7158	0.350	2.048	0.041	0.031	1.401
ma.S.L3	-0.4772	0.518	-0.921	0.357	-1.493	0.538
ma.S.L6	-0.3725	0.523	-0.713	0.476	-1.397	0.652
sigma2	6.684e+11	1.6e-13	4.17e+24	0.000	6.68e+11	6.68e+11

Ljung-Box (L1) (Q):	1.18	Jarque-Bera (JB):	1.76
Prob(Q):	0.28	Prob(JB):	0.41
Heteroskedasticity (H):	0.62	Skew:	-0.23
Prob(H) (two-sided):	0.49	Kurtosis:	1.83

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 4.36e+41. Standard errors may be unstable.


ARIMA ORGÁNICO - Trabajadores BT_10
ARIMA ORGÁNICO
0.04
0.02
0.00
−0.02
−0.04
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                                  SARIMAX Results
==========================================================================================
Dep. Variable:               Trabajadores BT_10   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                 286.038
Date:                          Wed, 23 Oct 2024   AIC                           -554.075
Time:                                  16:22:31   BIC                           -542.413
Sample:                              01-31-2022   HQIC                          -550.607
                                   - 12-31-2024
Covariance Type:                            opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1               0         -0        nan        nan           0           0
ar.L2               0         -0        nan        nan           0           0
ma.L1               0         -0        nan        nan           0           0
ma.L2               0         -0        nan        nan           0           0
ar.S.L3             0         -0        nan        nan           0           0
ar.S.L6             0         -0        nan        nan           0           0
ma.S.L3             0         -0        nan        nan           0           0
ma.S.L6             0         -0        nan        nan           0           0
sigma2          1e-10   3.81e-10      0.262      0.793   -6.48e-10    8.48e-10
===================================================================================
Ljung-Box (L1) (Q):                   nan   Jarque-Bera (JB):                  nan
Prob(Q):                              nan   Prob(JB):                          nan
Heteroskedasticity (H):               nan   Skew:                              nan
Prob(H) (two-sided):                  nan   Kurtosis:                          nan
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number    inf. Standard errors may be unstable.
```



ARIMA ORGÁNICO - Nuevo por Renovación
1e8
1.4
1.2
1.0
0.8
0.6
0.4
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

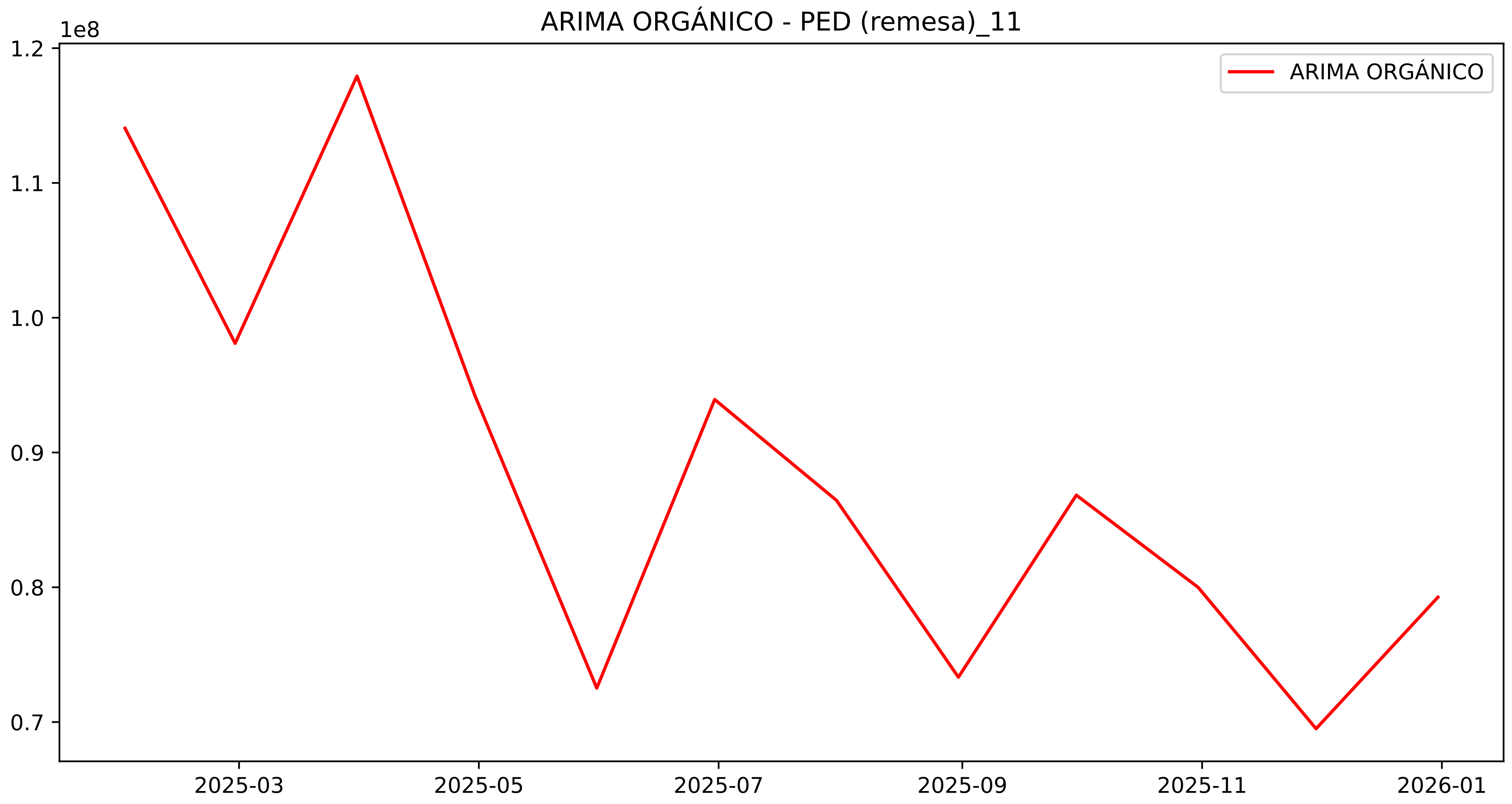
SARIMAX Results

Dep. Variable:	Nuevo por Renovación	No. Observations:	36
Model:	SARIMAX(2, 0, 2)x(2, 0, 2, 3)	Log Likelihood	-515.160
Date:	Wed, 23 Oct 2024	AIC	1048.320
Time:	16:22:33	BIC	1059.983
Sample:	01-31-2022	HQIC	1051.788
	- 12-31-2024		
Covariance Type:	opg		

	coef	std err	z	P>|z|	[0.025	0.975]
ar.L1	0.5780	0.724	0.799	0.424	-0.840	1.996
ar.L2	0.3670	0.683	0.537	0.591	-0.972	1.706
ma.L1	-0.2743	0.565	-0.486	0.627	-1.381	0.832
ma.L2	-0.9750	0.313	-3.113	0.002	-1.589	-0.361
ar.S.L3	0.5238	0.585	0.896	0.370	-0.622	1.670
ar.S.L6	0.3173	0.466	0.681	0.496	-0.596	1.231
ma.S.L3	-0.9484	0.351	-2.701	0.007	-1.637	-0.260
ma.S.L6	0.4107	0.255	1.613	0.107	-0.088	0.910
sigma2	2.834e+15	nan	nan	nan	nan	nan

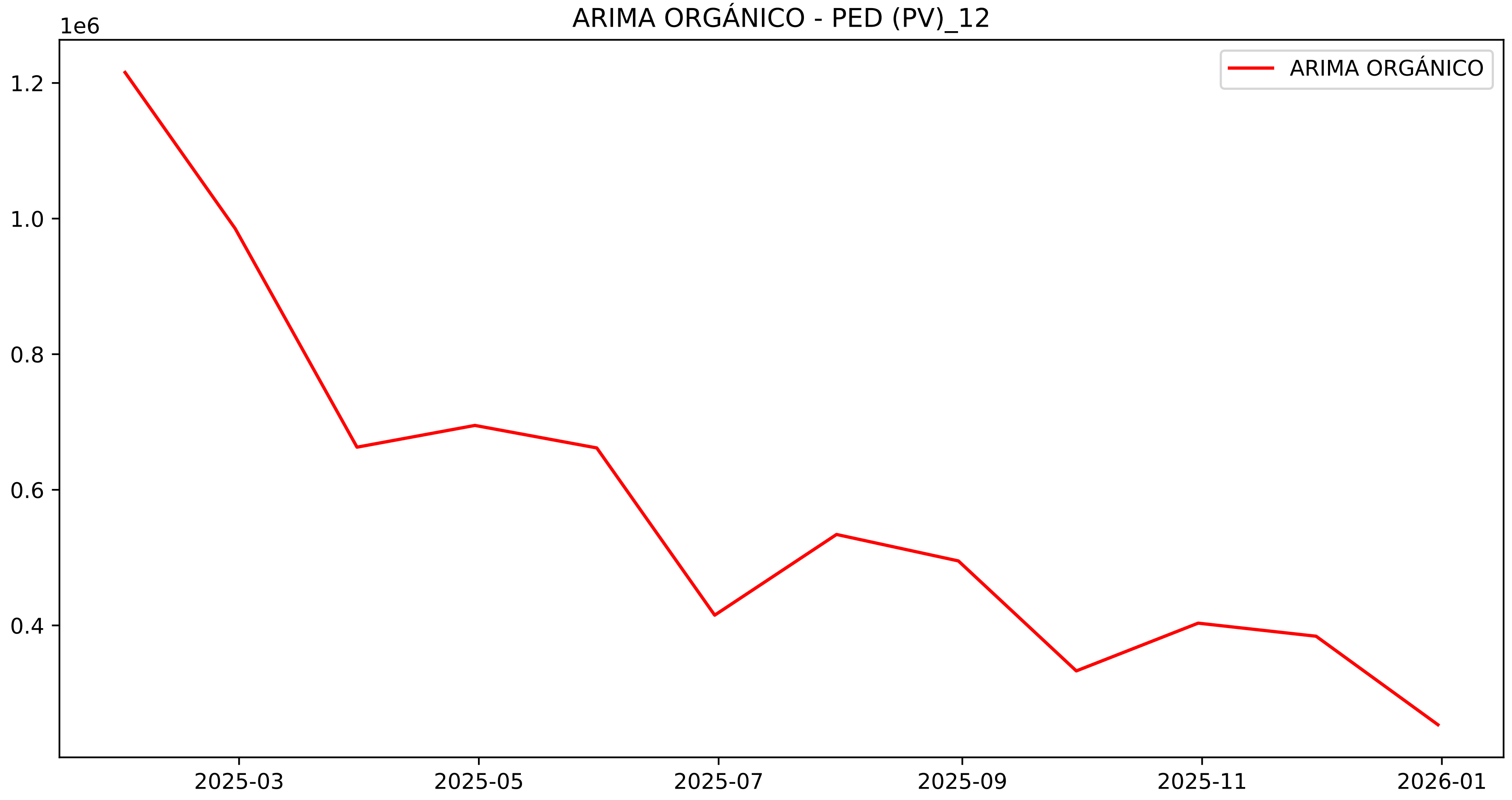
Ljung-Box (L1) (Q):	0.44	Jarque-Bera (JB):	6.58
Prob(Q):	0.51	Prob(JB):	0.04
Heteroskedasticity (H):	0.84	Skew:	1.07
Prob(H) (two-sided):	0.80	Kurtosis:	4.14

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.73e+48. Standard errors may be unstable.

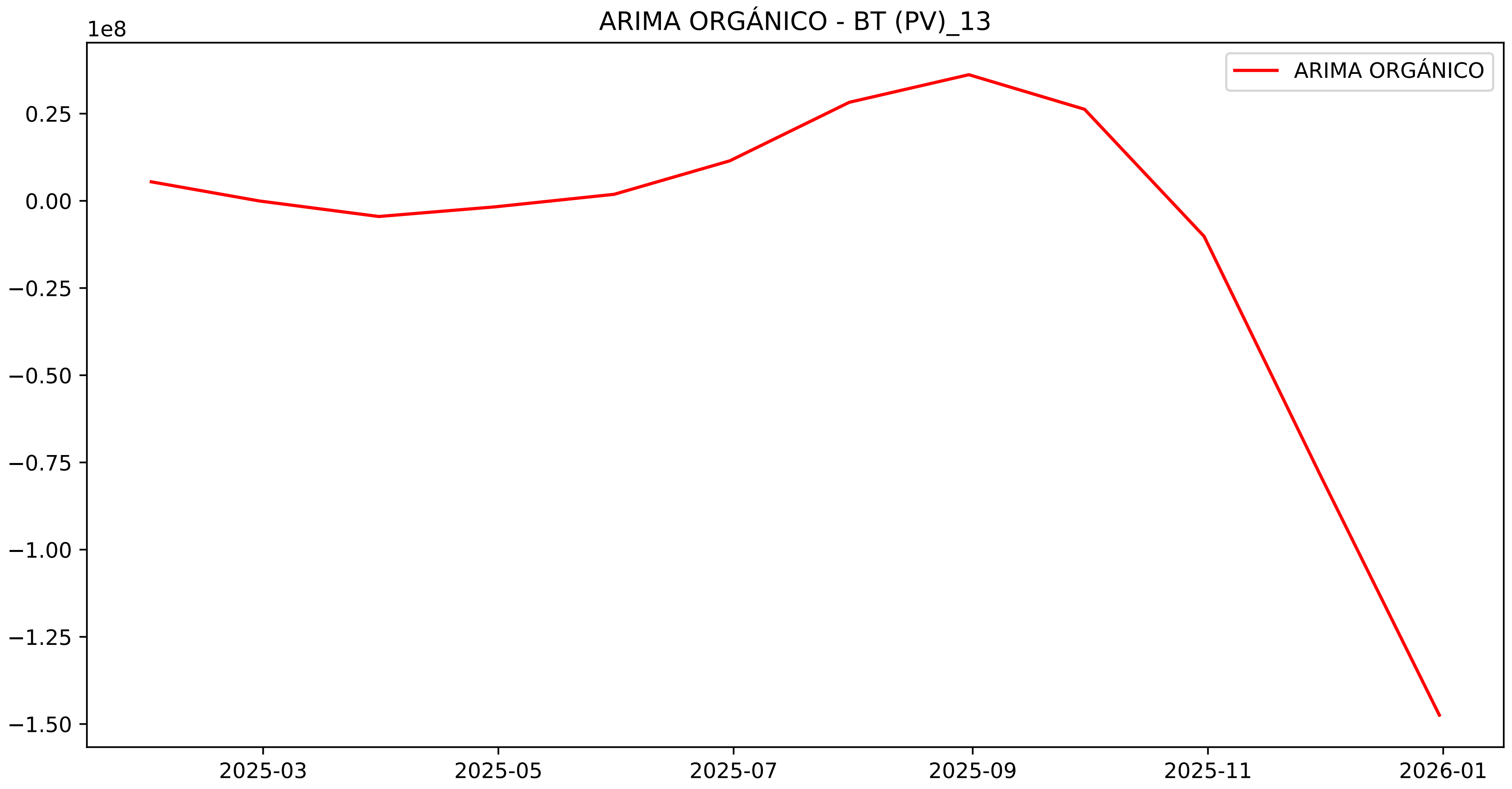


ARIMA ORGÁNICO - PED (remesa)_11
1e8
1.2
1.1
1.0
0.9
0.8
0.7
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

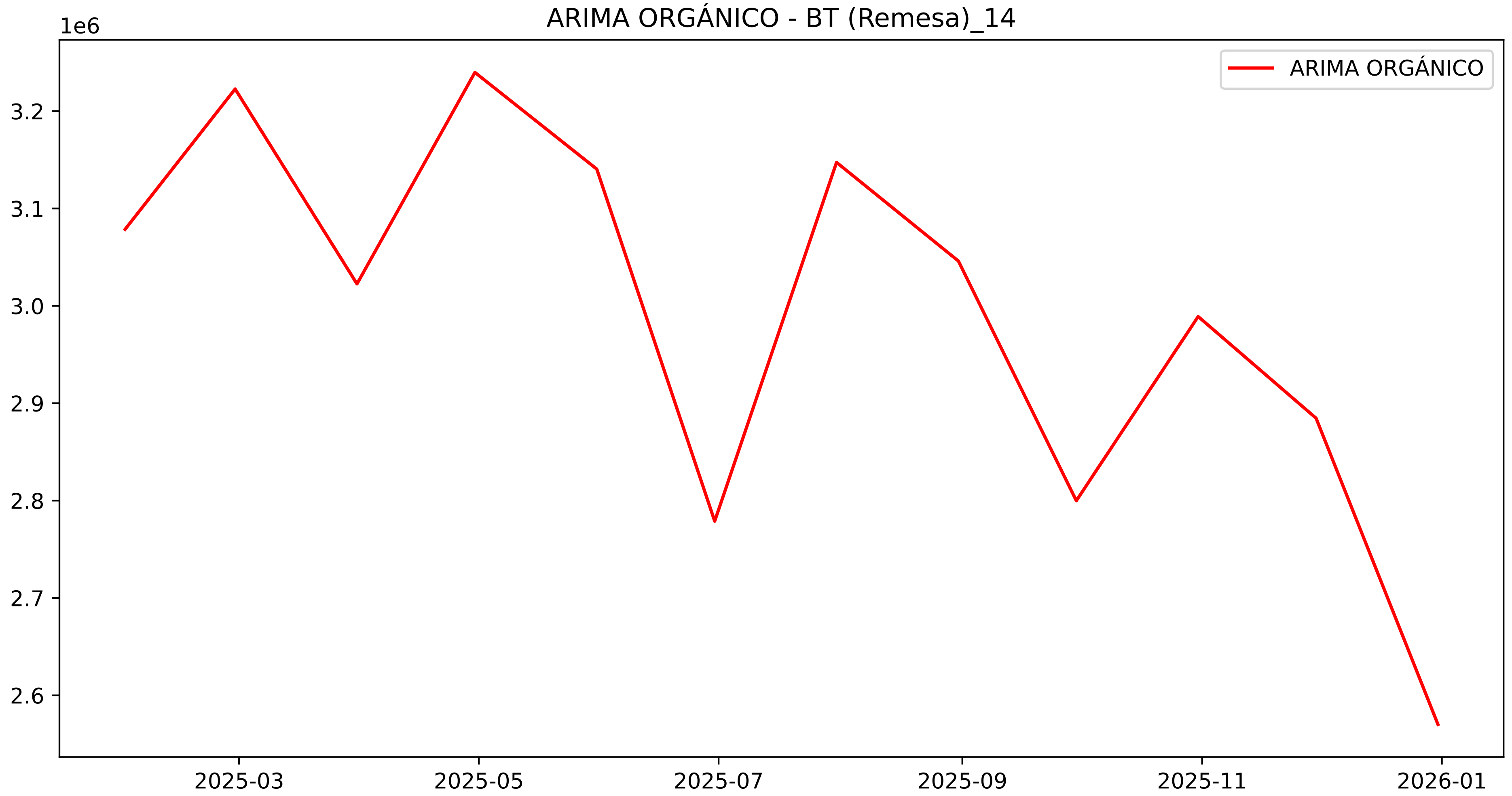
```
                                 SARIMAX Results
==========================================================================================
Dep. Variable:                 PED (remesa)_11   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -511.644
Date:                         Wed, 23 Oct 2024   AIC                           1041.288
Time:                                 16:22:35   BIC                           1052.951
Sample:                             01-31-2022   HQIC                          1044.756
                                  - 12-31-2024
Covariance Type:                           opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.5689      0.595      0.956      0.339      -0.598       1.736
ar.L2          0.3990      0.699      0.571      0.568      -0.970       1.768
ma.L1          0.0263      0.460      0.057      0.954      -0.876       0.928
ma.L2         -1.3118      0.574     -2.284      0.022      -2.438      -0.186
ar.S.L3        0.6020      0.854      0.705      0.481      -1.071       2.275
ar.S.L6        0.0933      1.117      0.083      0.933      -2.097       2.283
ma.S.L3       -0.7155      0.623     -1.149      0.251      -1.936       0.505
ma.S.L6        0.2332      0.622      0.375      0.708      -0.987       1.453
sigma2      2.682e+15   1.29e-16   2.07e+31      0.000    2.68e+15    2.68e+15
===================================================================================
Ljung-Box (L1) (Q):                   0.00   Jarque-Bera (JB):                 1.34
Prob(Q):                              0.97   Prob(JB):                         0.51
Heteroskedasticity (H):               0.48   Skew:                             0.54
Prob(H) (two-sided):                  0.29   Kurtosis:                         3.20
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 2.65e+48. Standard errors may be unstable.
```


ARIMA ORGÁNICO - PED (PV)_12
1e6
1.2
1.0
0.8
0.6
0.4
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                              SARIMAX Results
==========================================================================================
Dep. Variable:                   PED (PV)_12   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood               -421.927
Date:                       Wed, 23 Oct 2024   AIC                            861.854
Time:                               16:22:36   BIC                            873.516
Sample:                           01-31-2022   HQIC                           865.321
                                - 12-31-2024
Covariance Type:                         opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.2139      1.054      1.152      0.249      -0.852       3.280
ar.L2         -0.4448      1.004     -0.443      0.658      -2.412       1.522
ma.L1         -2.0937      1.565     -1.337      0.181      -5.162       0.974
ma.L2          0.3026      3.099      0.098      0.922      -5.771       6.376
ar.S.L3        0.4106      4.692      0.088      0.930      -8.786       9.608
ar.S.L6        0.2622      2.877      0.091      0.927      -5.377       5.902
ma.S.L3        0.1113      5.019      0.022      0.982      -9.725       9.948
ma.S.L6       -0.2585      1.235     -0.209      0.834      -2.679       2.162
sigma2      1.119e+12   3.26e-11   3.43e+22      0.000    1.12e+12    1.12e+12
===================================================================================
Ljung-Box (L1) (Q):                   2.20   Jarque-Bera (JB):                 0.81
Prob(Q):                              0.14   Prob(JB):                         0.67
Heteroskedasticity (H):               0.05   Skew:                             0.42
Prob(H) (two-sided):                  0.00   Kurtosis:                         2.98
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 1.48e+39. Standard errors may be unstable.
```

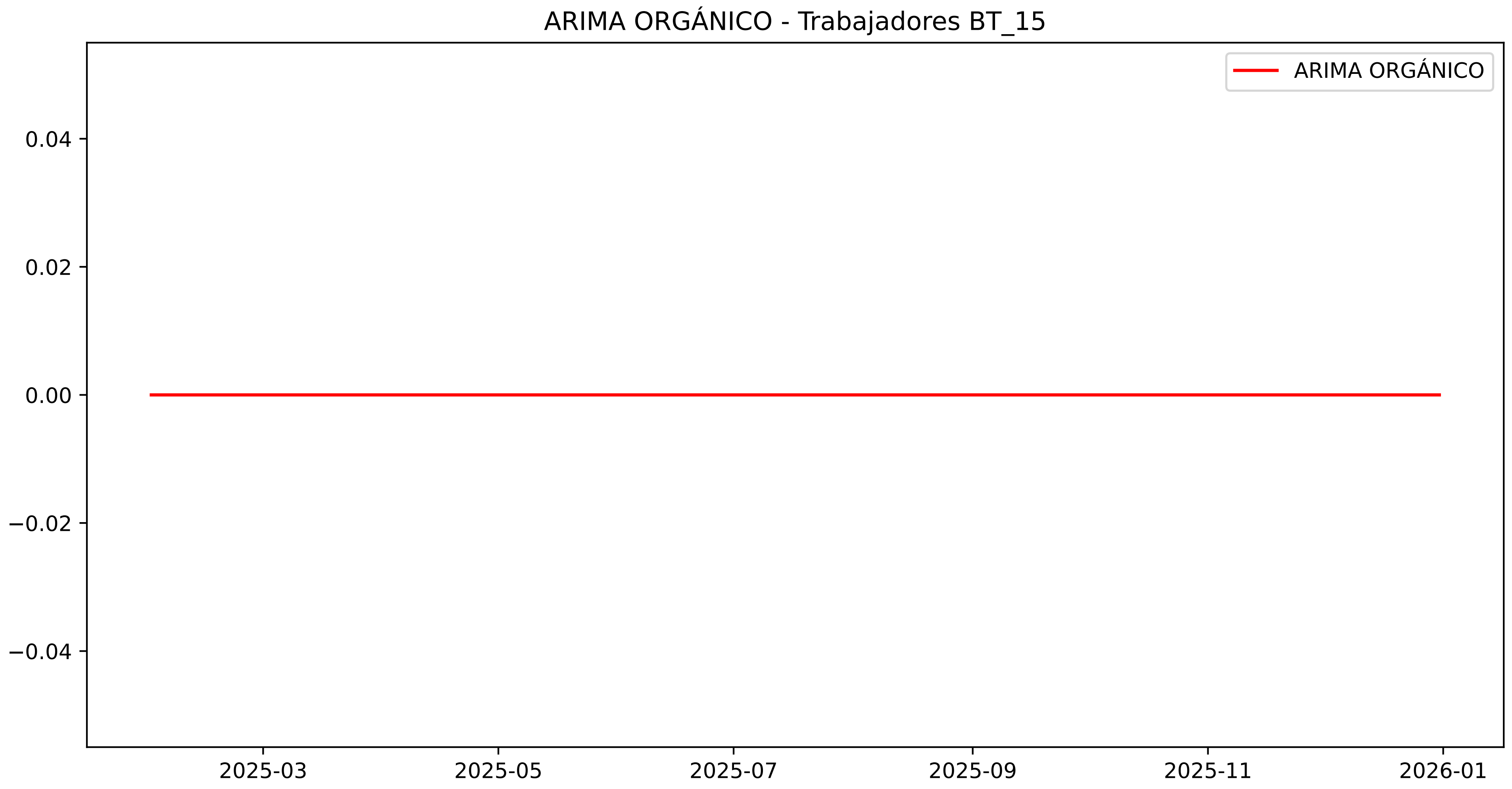

ARIMA ORGÁNICO - BT (PV)_13
1e8
ARIMA ORGÁNICO
0.25
0.00
−0.25
−0.50
−0.75
−1.00
−1.25
−1.50
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                               SARIMAX Results
=====================================================================================================
Dep. Variable:                      BT (PV)_13   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -469.641
Date:                         Wed, 23 Oct 2024   AIC                            957.283
Time:                                 16:22:38   BIC                            968.945
Sample:                               01-31-2022   HQIC                           960.750
                                    - 12-31-2024
Covariance Type:                           opg
=================================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
---------------------------------------------------------------------------------
ar.L1          2.1883      0.097     22.470      0.000       1.997       2.379
ar.L2         -2.0399      0.228     -8.933      0.000      -2.487      -1.592
ma.L1         -1.9645      0.276     -7.122      0.000      -2.505      -1.424
ma.L2         -0.3363      0.297     -1.133      0.257      -0.918       0.246
ar.S.L3        0.2024      0.419      0.484      0.629      -0.618       1.023
ar.S.L6        0.5913      0.321      1.844      0.065      -0.037       1.220
ma.S.L3        0.7212      0.421      1.712      0.087      -0.104       1.547
ma.S.L6       -0.0800      0.220     -0.364      0.716      -0.511       0.351
sigma2      9.482e+12   1.66e-14   5.71e+26      0.000    9.48e+12    9.48e+12
============================================================================================
Ljung-Box (L1) (Q):                   0.60   Jarque-Bera (JB):                 0.38
Prob(Q):                              0.44   Prob(JB):                         0.83
Heteroskedasticity (H):               0.30   Skew:                             0.28
Prob(H) (two-sided):                  0.09   Kurtosis:                         2.89
============================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 7.86e+42. Standard errors may be unstable.
```

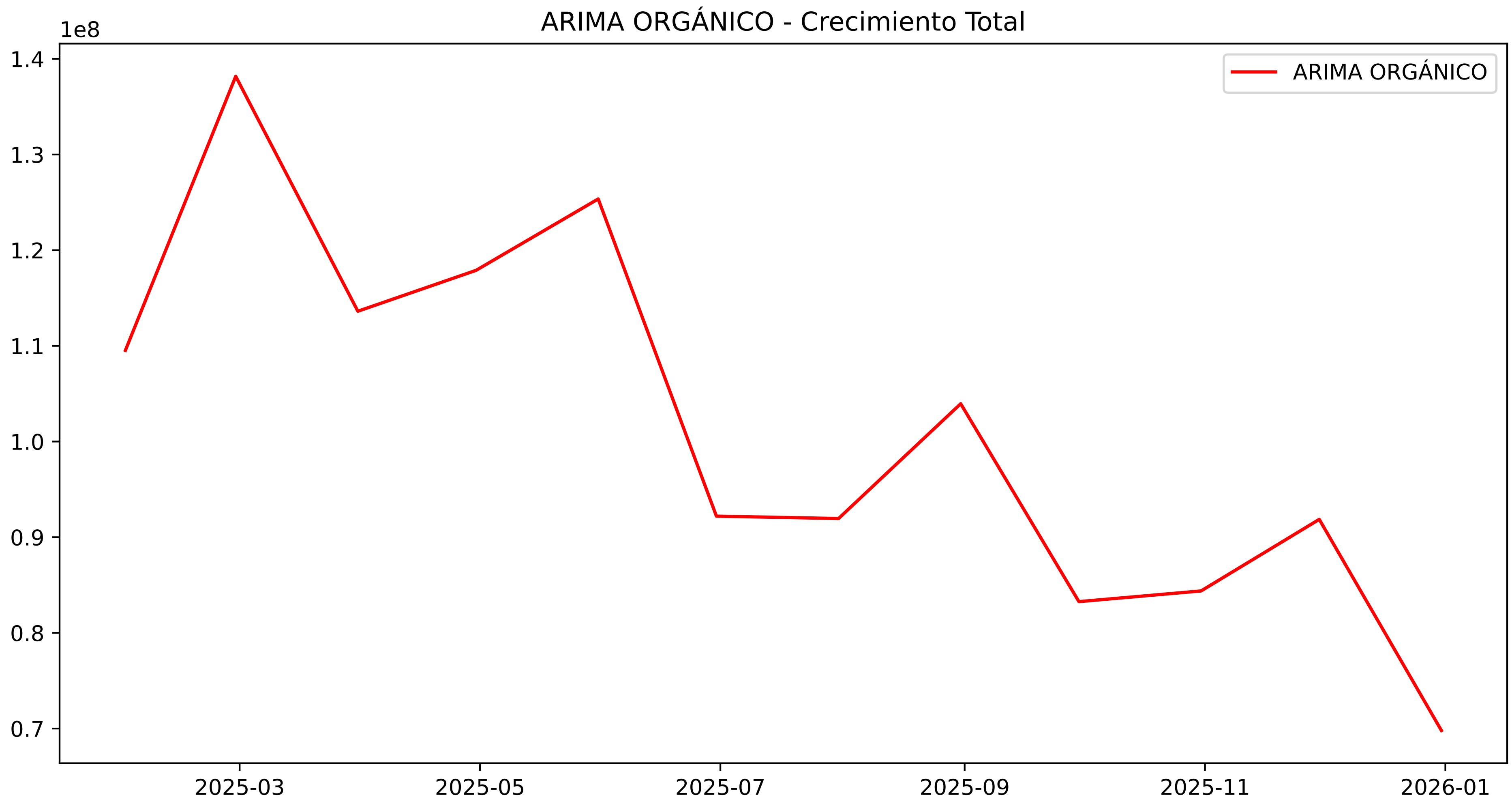


ARIMA ORGÁNICO - BT (Remesa)_14
1e6
ARIMA ORGÁNICO
3.2
3.1
3.0
2.9
2.8
2.7
2.6
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

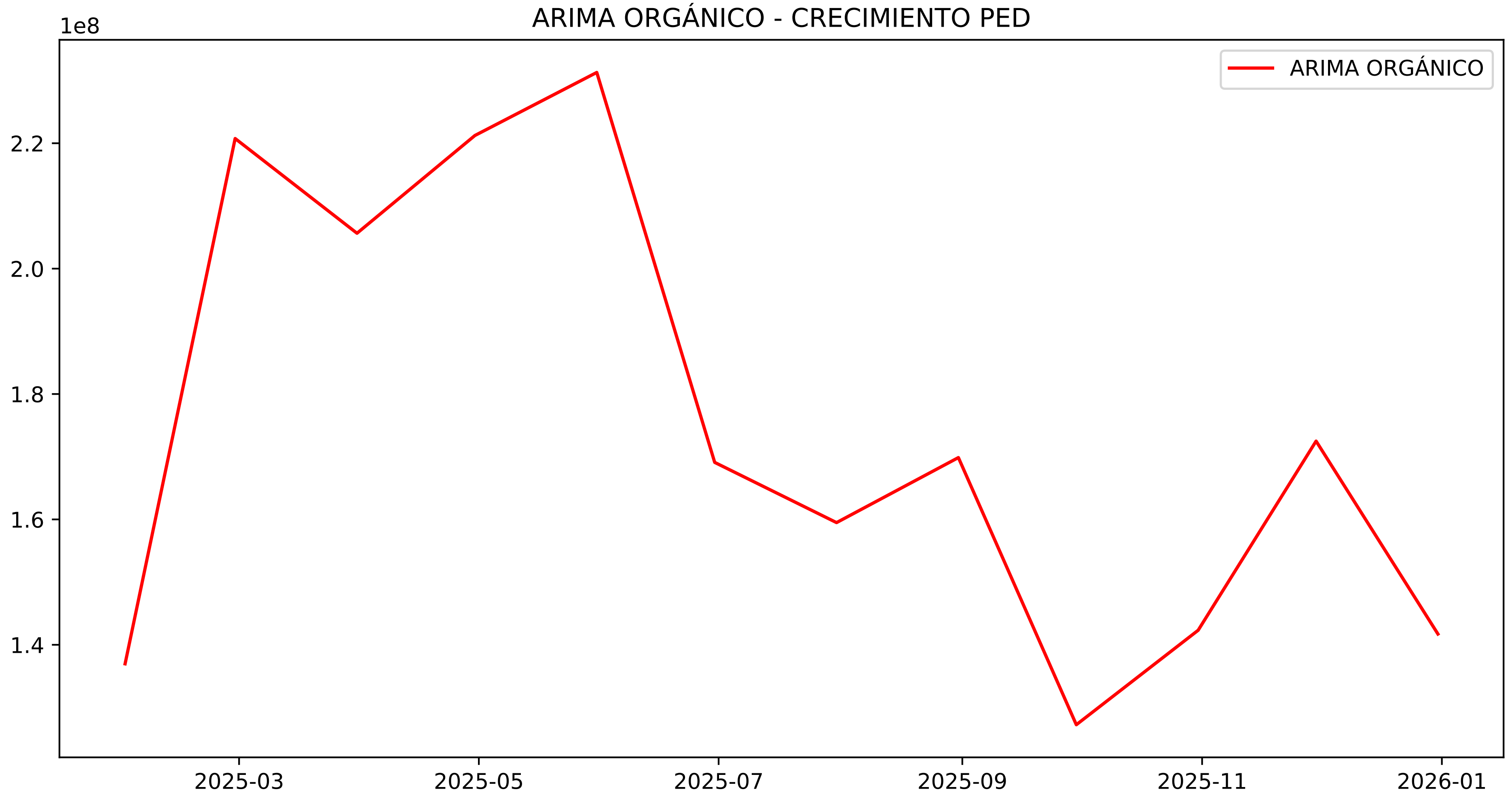
```
                           SARIMAX Results
==========================================================================================
Dep. Variable:              BT (Remesa)_14   No. Observations:               36
Model:           SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood           -404.959
Date:                     Wed, 23 Oct 2024   AIC                          827.918
Time:                             16:22:39   BIC                          839.581
Sample:                         01-31-2022   HQIC                         831.386
                              - 12-31-2024
Covariance Type:                       opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.0623      0.218      4.881      0.000       0.636       1.489
ar.L2         -0.1449      0.310     -0.467      0.640      -0.753       0.463
ma.L1         -0.9440      0.326     -2.892      0.004      -1.584      -0.304
ma.L2         -0.3763      0.345     -1.092      0.275      -1.052       0.299
ar.S.L3        0.1457      0.145      1.002      0.316      -0.139       0.430
ar.S.L6        0.7287      0.191      3.816      0.000       0.354       1.103
ma.S.L3       -0.1484      0.240     -0.618      0.537      -0.619       0.322
ma.S.L6       -0.6790      0.261     -2.599      0.009      -1.191      -0.167
sigma2      5.504e+11   5.48e-13      1e+24      0.000     5.5e+11     5.5e+11
===================================================================================
Ljung-Box (L1) (Q):                   0.60   Jarque-Bera (JB):                 1.85
Prob(Q):                              0.44   Prob(JB):                         0.40
Heteroskedasticity (H):               0.24   Skew:                             0.49
Prob(H) (two-sided):                  0.05   Kurtosis:                         3.82
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 1.41e+40. Standard errors may be unstable.
```


ARIMA ORGÁNICO - Trabajadores BT_15
ARIMA ORGÁNICO
0.04
0.02
0.00
−0.02
−0.04
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

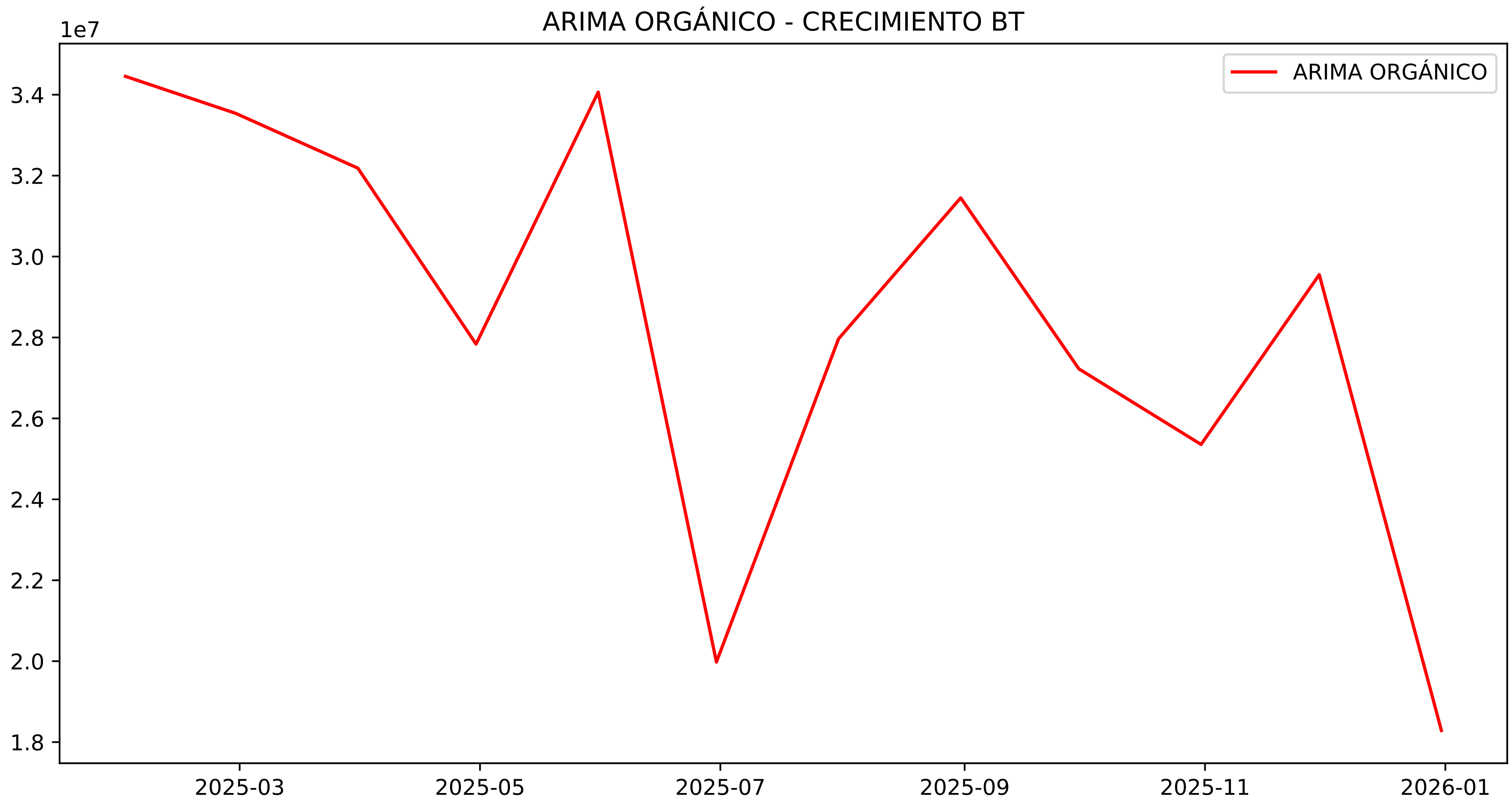
```
                               SARIMAX Results
==========================================================================================
Dep. Variable:              Trabajadores BT_15   No. Observations:                   36
Model:             SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                 286.038
Date:                        Wed, 23 Oct 2024   AIC                           -554.075
Time:                                16:22:41   BIC                           -542.413
Sample:                            01-31-2022   HQIC                          -550.607
                                 - 12-31-2024
Covariance Type:                          opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1               0         -0        nan        nan           0           0
ar.L2               0         -0        nan        nan           0           0
ma.L1               0         -0        nan        nan           0           0
ma.L2               0         -0        nan        nan           0           0
ar.S.L3             0         -0        nan        nan           0           0
ar.S.L6             0         -0        nan        nan           0           0
ma.S.L3             0         -0        nan        nan           0           0
ma.S.L6             0         -0        nan        nan           0           0
sigma2          1e-10   3.81e-10      0.262      0.793   -6.48e-10    8.48e-10
===================================================================================
Ljung-Box (L1) (Q):                   nan   Jarque-Bera (JB):                  nan
Prob(Q):                              nan   Prob(JB):                          nan
Heteroskedasticity (H):               nan   Skew:                              nan
Prob(H) (two-sided):                  nan   Kurtosis:                          nan
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number    inf. Standard errors may be unstable.
```


ARIMA ORGÁNICO - Crecimiento Total
1e8
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

```
                               SARIMAX Results
==========================================================================================
Dep. Variable:                Crecimiento Total   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -528.653
Date:                          Wed, 23 Oct 2024   AIC                           1075.306
Time:                                  16:22:43   BIC                           1086.969
Sample:                              01-31-2022   HQIC                          1078.774
                                   - 12-31-2024
Covariance Type:                            opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.4422      0.643      0.687      0.492      -0.819       1.703
ar.L2          0.3812      0.462      0.825      0.410      -0.525       1.287
ma.L1          0.7081      0.885      0.800      0.424      -1.027       2.443
ma.L2         -0.6214      1.013     -0.613      0.540      -2.608       1.365
ar.S.L3        0.3259      0.876      0.372      0.710      -1.390       2.042
ar.S.L6        0.4560      0.931      0.490      0.624      -1.370       2.281
ma.S.L3       -0.3819      0.946     -0.404      0.686      -2.236       1.472
ma.S.L6       -0.2230      1.047     -0.213      0.831      -2.275       1.829
sigma2      8.618e+15   2.99e-16   2.89e+31      0.000    8.62e+15    8.62e+15
===================================================================================
Ljung-Box (L1) (Q):                   0.67   Jarque-Bera (JB):                 0.68
Prob(Q):                              0.41   Prob(JB):                         0.71
Heteroskedasticity (H):               0.22   Skew:                             0.38
Prob(H) (two-sided):                  0.03   Kurtosis:                         3.19
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 1.02e+48. Standard errors may be unstable.
```


ARIMA ORGÁNICO - CRECIMIENTO PED
1e8
ARIMA ORGÁNICO
2.2
2.0
1.8
1.6
1.4
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                                     SARIMAX Results
==========================================================================================
Dep. Variable:              CRECIMIENTO PED   No. Observations:                   36
Model:            SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood                -525.053
Date:                      Wed, 23 Oct 2024   AIC                           1068.105
Time:                              16:22:45   BIC                           1079.768
Sample:                          01-31-2022   HQIC                          1071.573
                               - 12-31-2024
Covariance Type:                        opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          1.3120      0.472      2.777      0.005       0.386       2.238
ar.L2         -0.6452      0.325     -1.985      0.047      -1.282      -0.008
ma.L1         -0.9839      0.298     -3.298      0.001      -1.569      -0.399
ma.L2         -0.2924      0.345     -0.848      0.397      -0.968       0.384
ar.S.L3        0.7683      1.501      0.512      0.609      -2.173       3.710
ar.S.L6        0.1942      1.522      0.128      0.899      -2.790       3.178
ma.S.L3       -0.5807      1.421     -0.409      0.683      -3.366       2.204
ma.S.L6       -0.2228      1.421     -0.157      0.875      -3.007       2.561
sigma2      5.744e+15        nan        nan        nan         nan         nan
===================================================================================
Ljung-Box (L1) (Q):                   1.84   Jarque-Bera (JB):                 0.66
Prob(Q):                              0.17   Prob(JB):                         0.72
Heteroskedasticity (H):               0.19   Skew:                            -0.37
Prob(H) (two-sided):                  0.02   Kurtosis:                         3.15
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 3.73e+48. Standard errors may be unstable.
```


ARIMA ORGÁNICO - CRECIMIENTO BT
1e7
3.4
3.2
3.0
2.8
2.6
2.4
2.2
2.0
1.8
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01
ARIMA ORGÁNICO

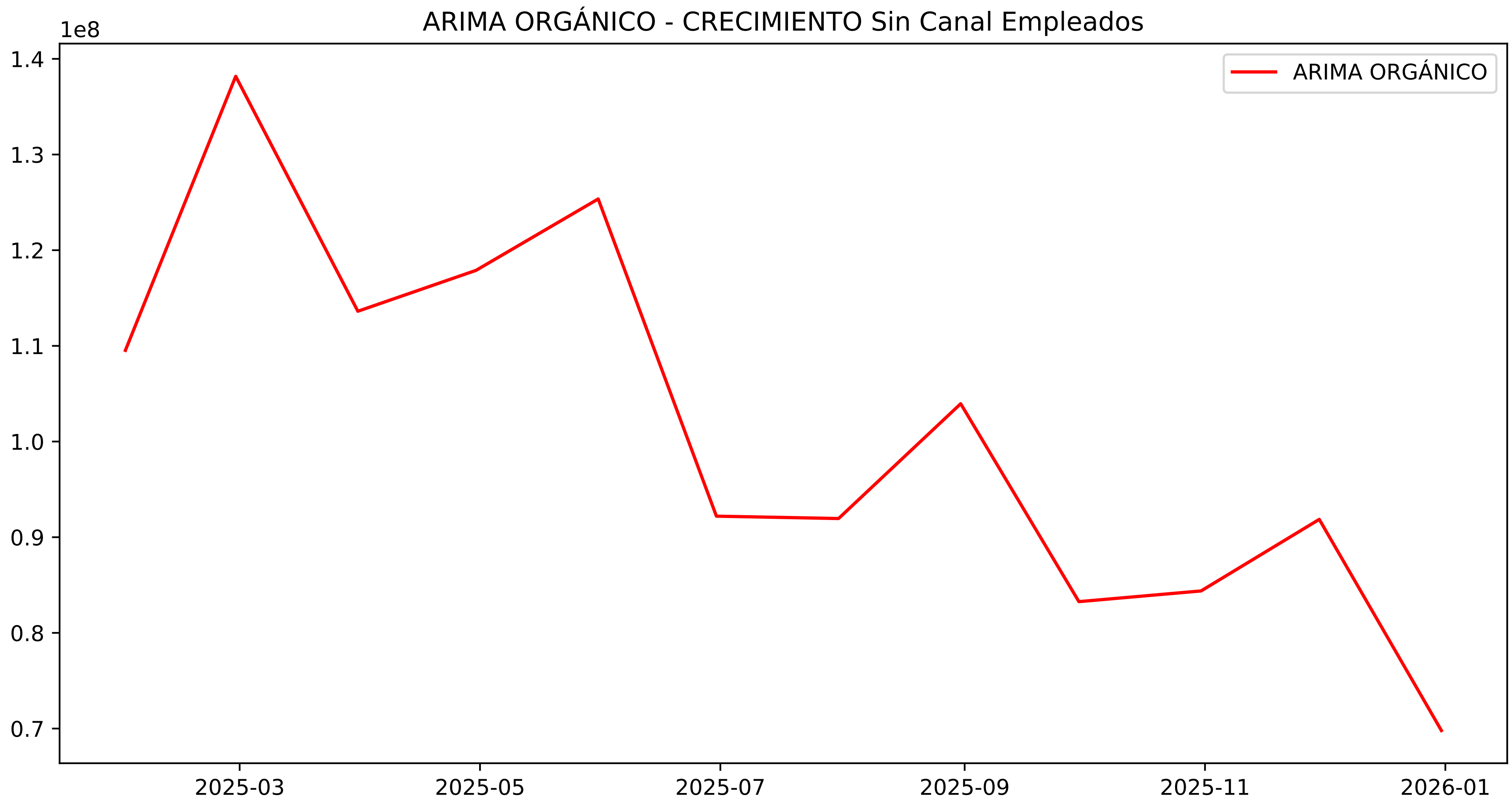
SARIMAX Results

Dep. Variable:	CRECIMIENTO BT	No. Observations:	36
Model:	SARIMAX(2, 0, 2)x(2, 0, 2, 3)	Log Likelihood	-494.076
Date:	Wed, 23 Oct 2024	AIC	1006.153
Time:	16:22:46	BIC	1017.815
Sample:	01-31-2022	HQIC	1009.621
	- 12-31-2024		
Covariance Type:	opg		

	coef	std err	z	P>|z|	[0.025	0.975]
ar.L1	0.2819	0.489	0.577	0.564	-0.676	1.240
ar.L2	0.5550	0.336	1.652	0.099	-0.104	1.213
ma.L1	0.8094	0.424	1.908	0.056	-0.022	1.641
ma.L2	-0.1199	0.436	-0.275	0.783	-0.974	0.735
ar.S.L3	0.0301	0.447	0.067	0.946	-0.847	0.907
ar.S.L6	0.8283	0.409	2.026	0.043	0.027	1.630
ma.S.L3	0.0340	0.436	0.078	0.938	-0.820	0.888
ma.S.L6	-0.6301	0.489	-1.288	0.198	-1.589	0.329
sigma2	5.458e+14	nan	nan	nan	nan	nan

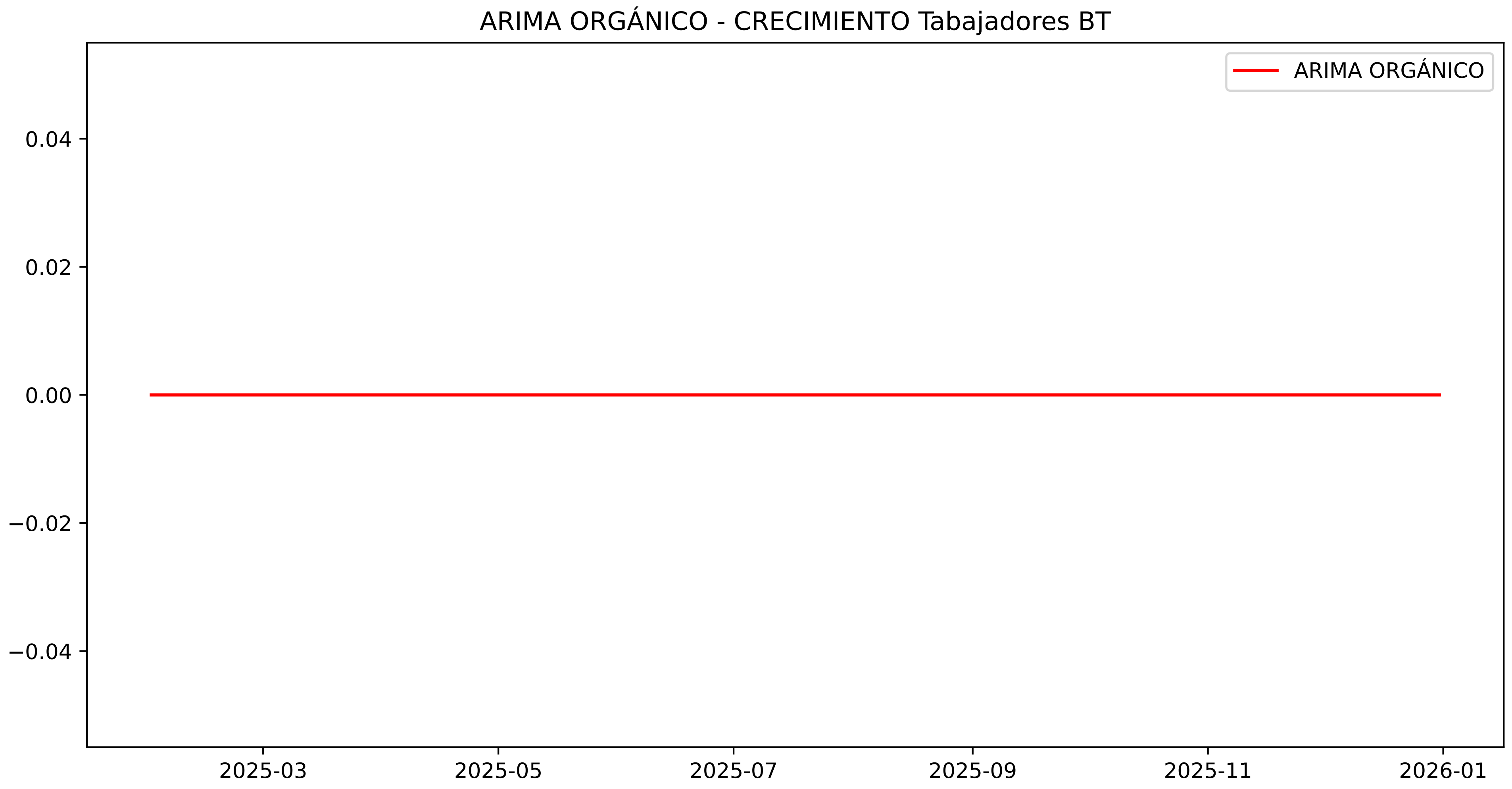
Ljung-Box (L1) (Q):	0.00	Jarque-Bera (JB):	1.32
Prob(Q):	1.00	Prob(JB):	0.52
Heteroskedasticity (H):	0.90	Skew:	-0.12
Prob(H) (two-sided):	0.88	Kurtosis:	1.94

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 8.47e+46. Standard errors may be unstable.



ARIMA ORGÁNICO - CRECIMIENTO Sin Canal Empleados
1e8
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
ARIMA ORGÁNICO
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                               SARIMAX Results
===================================================================================================
Dep. Variable:     CRECIMIENTO Sin Canal Empleados   No. Observations:                   36
Model:             SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood               -528.653
Date:                           Wed, 23 Oct 2024   AIC                           1075.306
Time:                                   16:22:48   BIC                           1086.969
Sample:                                 01-31-2022   HQIC                          1078.774
                               - 12-31-2024
Covariance Type:                             opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1          0.4422      0.643      0.687      0.492      -0.819       1.703
ar.L2          0.3812      0.462      0.825      0.410      -0.525       1.287
ma.L1          0.7081      0.885      0.800      0.424      -1.027       2.443
ma.L2         -0.6214      1.013     -0.613      0.540      -2.608       1.365
ar.S.L3        0.3259      0.876      0.372      0.710      -1.390       2.042
ar.S.L6        0.4560      0.931      0.490      0.624      -1.370       2.281
ma.S.L3       -0.3819      0.946     -0.404      0.686      -2.236       1.472
ma.S.L6       -0.2230      1.047     -0.213      0.831      -2.275       1.829
sigma2      8.618e+15   2.99e-16   2.89e+31      0.000    8.62e+15    8.62e+15
===================================================================================
Ljung-Box (L1) (Q):                   0.67   Jarque-Bera (JB):                 0.68
Prob(Q):                              0.41   Prob(JB):                         0.71
Heteroskedasticity (H):               0.22   Skew:                             0.38
Prob(H) (two-sided):                  0.03   Kurtosis:                         3.19
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number 1.02e+48. Standard errors may be unstable.
```


ARIMA ORGÁNICO - CRECIMIENTO Tabajadores BT
ARIMA ORGÁNICO
0.04
0.02
0.00
−0.02
−0.04
2025-03
2025-05
2025-07
2025-09
2025-11
2026-01

```
                          SARIMAX Results
==========================================================================================
Dep. Variable:      CRECIMIENTO Tabajadores BT   No. Observations:           36
Model:          SARIMAX(2, 0, 2)x(2, 0, 2, 3)   Log Likelihood           286.038
Date:                        Wed, 23 Oct 2024   AIC                     -554.075
Time:                                16:22:49   BIC                     -542.413
Sample:                            01-31-2022   HQIC                    -550.607
                                 - 12-31-2024
Covariance Type:                          opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
ar.L1               0         -0        nan        nan           0           0
ar.L2               0         -0        nan        nan           0           0
ma.L1               0         -0        nan        nan           0           0
ma.L2               0         -0        nan        nan           0           0
ar.S.L3             0         -0        nan        nan           0           0
ar.S.L6             0         -0        nan        nan           0           0
ma.S.L3             0         -0        nan        nan           0           0
ma.S.L6             0         -0        nan        nan           0           0
sigma2          1e-10   3.81e-10      0.262      0.793   -6.48e-10    8.48e-10
===================================================================================
Ljung-Box (L1) (Q):                   nan   Jarque-Bera (JB):                  nan
Prob(Q):                              nan   Prob(JB):                          nan
Heteroskedasticity (H):               nan   Skew:                              nan
Prob(H) (two-sided):                  nan   Kurtosis:                          nan
===================================================================================

Warnings:
[1] Covariance matrix calculated using the outer product of gradients (complex-step).
[2] Covariance matrix is singular or near-singular, with condition number    inf. Standard errors may be unstable.
```