

**PT CMLABS INDONESIA DIGITAL**

Software Engineering Division

Project Operation, Website Development

[October 2026] Website Core Web Vitals Report

Project Name: Aster and Esso Websites*Document Generated for Review — Validation Pending**Last Update: 12 October 2026*

Report Date	12 October 2026 (Asia/Singapore)
CrUX Data Period	Rolling Field Data; Exact Collection Dates Are Unavailable in the Stored PageSpeed Response
Pages Analyzed	10 Pages
Overall CWV Status	FAILED — 1 of 10 Pages

Executive Summary

This report analyzes 10 monitored pages for Aster and Esso Websites using the latest successful stored Google PageSpeed Insights results available at generation time. 1 pages fail at least one measured Core Web Vital, 8 pages pass on both devices, and 1 pages have insufficient data for a complete assessment. Individual checks may have different collection dates, shown below.

Results distinguish real-user CrUX metrics from synthetic Lighthouse measurements. Missing field data does not establish a pass. Potential causes require direct investigation.

Critical Findings

Page	CWV Status	Mobile	Desktop
Our Business	PASSED	LCP: 1.08 s — Good; INP: 180 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
Petrochemicals	PASSED	LCP: 1.08 s — Good; INP: 180 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
Homepage	FAILED	LCP: 3.06 s — Needs Improvement; INP: 144 ms — Good; CLS: 0 — Good	LCP: 2.56 s — Needs Improvement; INP: 78 ms — Good; CLS: 0 — Good
Promotions	PASSED	LCP: 0.96 s — Good; INP: 195 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
Contact Us	PASSED	LCP: 1.08 s — Good; INP: 180 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good

Page	CWV Status	Mobile	Desktop
Doing Business with Us	PASSED	LCP: 1.08 s — Good; INP: 180 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
Newsroom	PASSED	LCP: 1.08 s — Good; INP: 180 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
Fleet Program	PASSED	LCP: 1.08 s — Good; INP: 180 ms — Good; CLS: 0 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
PHV Member	INSUFFICIENT DATA	LCP: 1.44 s — Good; INP: Insufficient Data; CLS: 0.01 — Good	LCP: 1.81 s — Good; INP: 73 ms — Good; CLS: 0 — Good
Esso	PASSED	LCP: 1.34 s — Good; INP: 132 ms — Good; CLS: 0 — Good	LCP: 1.21 s — Good; INP: 78 ms — Good; CLS: 0 — Good

The recurring priorities are LCP (2 device/page measurements outside the good threshold), FCP (1 device/page measurements outside the good threshold).

Detailed Data Each Page

Our Business → <https://www.aster.com.sg/our-business>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.08 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	180 ms — Good	73 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	0.97 s — Good	0.85 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.31 s — Good	0.31 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Our Business Analysis

- Mobile LCP (Largest Contentful Paint): 1.08 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 180 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.

- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.97 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	94	Largest Contentful Paint: 2.6 s; First Contentful Paint: 0.9 s; Total Blocking Time: 200 ms; Cumulative Layout Shift: 0; Speed Index: 1.8 s
Desktop	99	Largest Contentful Paint: 0.5 s; First Contentful Paint: 0.2 s; Total Blocking Time: 110 ms; Cumulative Layout Shift: 0; Speed Index: 0.6 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 57dfdf18-1361-417e-98c9-ed465ffec7ce; Collected 2026-10-12T03:38:43.584Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run 3314eca8-bc55-4bd5-92d2-1a8207659d43; Collected 2026-10-12T03:38:49.816Z; CrUX Scope <https://www.aster.com.sg>

Petrochemicals → <https://www.aster.com.sg/our-business/petrochemicals>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.08 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	180 ms — Good	73 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	0.97 s — Good	0.85 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.31 s — Good	0.31 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Petrochemicals Analysis

- Mobile LCP (Largest Contentful Paint): 1.08 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.

- Mobile INP (Interaction to Next Paint): 180 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.97 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	90	Largest Contentful Paint: 2.7 s; First Contentful Paint: 0.9 s; Total Blocking Time: 310 ms; Cumulative Layout Shift: 0; Speed Index: 1.9 s
Desktop	99	Largest Contentful Paint: 0.9 s; First Contentful Paint: 0.3 s; Total Blocking Time: 10 ms; Cumulative Layout Shift: 0; Speed Index: 0.8 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run ee253aca-7d15-4a10-891c-6a9b36b4d028; Collected 2026-10-12T03:39:12.807Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run ee1beb2c-911c-455a-a7fd-a51732dffdc9; Collected 2026-10-12T03:39:13.780Z; CrUX Scope <https://www.aster.com.sg>

Homepage → <https://www.aster.com.sg/>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	3.06 s — Needs Improvement	2.56 s — Needs Improvement	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	144 ms — Good	78 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	2.39 s — Needs Improvement	0.89 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.58 s — Good	0.38 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: FAILED · Desktop CWV: FAILED

Homepage Analysis

- Mobile LCP (Largest Contentful Paint): 3.06 s — Needs Improvement. Identify the LCP element; avoid lazy loading above the fold, preload the confirmed critical resource, and optimize image size and format.
- Desktop LCP (Largest Contentful Paint): 2.56 s — Needs Improvement. Identify the LCP element; avoid lazy loading above the fold, preload the confirmed critical resource, and optimize image size and format.
- Mobile INP (Interaction to Next Paint): 144 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 78 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 2.39 s — Needs Improvement. Review critical CSS and font loading; remove confirmed unused render-blocking assets.
- Desktop FCP (First Contentful Paint): 0.89 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.58 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.38 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	76	Largest Contentful Paint: 7.5 s; First Contentful Paint: 0.9 s; Total Blocking Time: 50 ms; Cumulative Layout Shift: 0; Speed Index: 2.8 s
Desktop	90	Largest Contentful Paint: 1.9 s; First Contentful Paint: 0.2 s; Total Blocking Time: 90 ms; Cumulative Layout Shift: 0; Speed Index: 1.2 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 8b671e77-1a05-4673-a718-b0b4c4fa7253; Collected 2026-10-12T03:38:21.054Z; CrUX Scope <https://www.aster.com.sg/>
- Mobile: Run 34e7a5d2-5168-4907-b208-037597780e51; Collected 2026-10-12T03:38:21.543Z; CrUX Scope <https://www.aster.com.sg/>

Promotions → <https://www.aster.com.sg/esso/promotions>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	0.96 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s

Metric	Mobile (75th)	Desktop (75th)	Threshold
INP (Interaction to Next Paint)	195 ms — Good	73 ms — Good	Good $\leq$ 200 ms; Poor $>$ 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good $\leq$ 0.1; Poor $>$ 0.25
FCP (First Contentful Paint)	0.9 s — Good	0.85 s — Good	Good $\leq$ 1.8 s; Poor $>$ 3 s
TTFB (Time to First Byte)	0.28 s — Good	0.31 s — Good	Good $\leq$ 0.8 s; Poor $>$ 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Promotions Analysis

- Mobile LCP (Largest Contentful Paint): 0.96 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 195 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.9 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.28 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	70	Largest Contentful Paint: 4.4 s; First Contentful Paint: 1.2 s; Total Blocking Time: 530 ms; Cumulative Layout Shift: 0; Speed Index: 3.1 s
Desktop	81	Largest Contentful Paint: 0.9 s; First Contentful Paint: 0.3 s; Total Blocking Time: 400 ms; Cumulative Layout Shift: 0; Speed Index: 0.9 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 2eb58a81-6bcb-4c4d-b8b1-0c9980d6eb70; Collected 2026-10-12T03:41:11.922Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run b1379a4f-fe18-42b5-87e9-6b51595d5d3b; Collected 2026-10-12T03:41:11.835Z; CrUX Scope <https://www.aster.com.sg/esso/promotions>

Contact Us → <https://www.aster.com.sg/esso/contact-us>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.08 s — Good	1.81 s — Good	Good $\leq$ 2.5 s; Poor $>$ 4 s
INP (Interaction to Next Paint)	180 ms — Good	73 ms — Good	Good $\leq$ 200 ms; Poor $>$ 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good $\leq$ 0.1; Poor $>$ 0.25
FCP (First Contentful Paint)	0.97 s — Good	0.85 s — Good	Good $\leq$ 1.8 s; Poor $>$ 3 s
TTFB (Time to First Byte)	0.31 s — Good	0.31 s — Good	Good $\leq$ 0.8 s; Poor $>$ 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Contact Us Analysis

- Mobile LCP (Largest Contentful Paint): 1.08 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 180 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.97 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	63	Largest Contentful Paint: 3.8 s; First Contentful Paint: 0.9 s; Total Blocking Time: 1,230 ms; Cumulative Layout Shift: 0; Speed Index: 3.5 s
Desktop	77	Largest Contentful Paint: 0.8 s; First Contentful Paint: 0.2 s; Total Blocking Time: 530 ms; Cumulative Layout Shift: 0; Speed Index: 0.5 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 0c623fa3-1832-4743-8a6e-b3cfe3a6f2fa; Collected 2026-10-12T03:41:41.649Z; CrUX Scope <https://www.aster.com.sg>

- Mobile: Run dc235880-c75e-4d28-8a76-c103a7cbcd72; Collected 2026-10-12T03:41:41.716Z; CrUX
Scope <https://www.aster.com.sg>

Doing Business with Us → <https://www.aster.com.sg/our-business/doing-business-with-us>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.08 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	180 ms — Good	73 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	0.97 s — Good	0.85 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.31 s — Good	0.31 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Doing Business with Us Analysis

- Mobile LCP (Largest Contentful Paint): 1.08 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 180 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.97 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	88	Largest Contentful Paint: 3.7 s; First Contentful Paint: 0.9 s; Total Blocking Time: 120 ms; Cumulative Layout Shift: 0; Speed Index: 1.9 s

Device	Performance	Lab Metrics
Desktop	97	Largest Contentful Paint: 0.5 s; First Contentful Paint: 0.2 s; Total Blocking Time: 140 ms; Cumulative Layout Shift: 0; Speed Index: 0.6 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 1cad1a06-82a7-4f76-85ba-259943e8fe5d; Collected 2026-10-12T03:39:32.649Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run 05cbfb69-e036-45b5-8f0c-b7857b334e4f; Collected 2026-10-12T03:39:32.284Z; CrUX Scope <https://www.aster.com.sg>

Newsroom → <https://www.aster.com.sg/newsroom>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.08 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	180 ms — Good	73 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	0.97 s — Good	0.85 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.31 s — Good	0.31 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Newsroom Analysis

- Mobile LCP (Largest Contentful Paint): 1.08 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 180 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.97 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	77	Largest Contentful Paint: 2.6 s; First Contentful Paint: 0.9 s; Total Blocking Time: 840 ms; Cumulative Layout Shift: 0; Speed Index: 2.3 s
Desktop	89	Largest Contentful Paint: 0.5 s; First Contentful Paint: 0.2 s; Total Blocking Time: 260 ms; Cumulative Layout Shift: 0; Speed Index: 1.0 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run f5da98e2-005d-4943-850f-e714a3a0daed; Collected 2026-10-12T03:39:53.435Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run 9ef7d1bf-7564-4edb-b6ef-408054c4712e; Collected 2026-10-12T03:39:54.647Z; CrUX Scope <https://www.aster.com.sg>

Fleet Program → <https://www.aster.com.sg/esso/products/fleet-program>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.08 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	180 ms — Good	73 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	0.97 s — Good	0.85 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.31 s — Good	0.31 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Fleet Program Analysis

- Mobile LCP (Largest Contentful Paint): 1.08 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 180 ms — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 0.97 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.

- Mobile TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	64	Largest Contentful Paint: 10.5 s; First Contentful Paint: 2.8 s; Total Blocking Time: 130 ms; Cumulative Layout Shift: 0; Speed Index: 5.8 s
Desktop	90	Largest Contentful Paint: 1.9 s; First Contentful Paint: 0.3 s; Total Blocking Time: 90 ms; Cumulative Layout Shift: 0; Speed Index: 1.1 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 2404f6da-8ad4-4a7c-9195-5f7ae4cf29f2; Collected 2026-10-12T03:40:53.032Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run ea97a1d7-41d1-471d-864a-187f7b695695; Collected 2026-10-12T03:40:53.108Z; CrUX Scope <https://www.aster.com.sg>

PHV Member → <https://www.aster.com.sg/esso-smiles/phv-member>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.44 s — Good	1.81 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	Insufficient Data	73 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0.01 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	1.07 s — Good	0.85 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.34 s — Good	0.31 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: INSUFFICIENT DATA · Desktop CWV: PASSED

PHV Member Analysis

- Mobile LCP (Largest Contentful Paint): 1.44 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.81 s — Good. Maintain this result and monitor for regressions.
- Desktop INP (Interaction to Next Paint): 73 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0.01 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.

- Mobile FCP (First Contentful Paint): 1.07 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.85 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.34 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.31 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	59	Largest Contentful Paint: 11.9 s; First Contentful Paint: 5.3 s; Total Blocking Time: 120 ms; Cumulative Layout Shift: 0.001; Speed Index: 6.6 s
Desktop	94	Largest Contentful Paint: 1.1 s; First Contentful Paint: 0.2 s; Total Blocking Time: 180 ms; Cumulative Layout Shift: 0; Speed Index: 0.8 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run 4cba5d6b-3ce0-4c28-9710-c96e699cd86e; Collected 2026-10-12T03:42:11.331Z; CrUX Scope <https://www.aster.com.sg>
- Mobile: Run 7bd9e027-d52e-44e9-b525-a10f3c0a9f12; Collected 2026-10-12T03:42:10.551Z; CrUX Scope <https://www.aster.com.sg/esso-smiles/phv-member>

Esso → <https://www.aster.com.sg/esso>

Core Web Vitals – Real User Data (CrUX)

Metric	Mobile (75th)	Desktop (75th)	Threshold
LCP (Largest Contentful Paint)	1.34 s — Good	1.21 s — Good	Good ≤ 2.5 s; Poor > 4 s
INP (Interaction to Next Paint)	132 ms — Good	78 ms — Good	Good ≤ 200 ms; Poor > 500 ms
CLS (Cumulative Layout Shift)	0 — Good	0 — Good	Good ≤ 0.1; Poor > 0.25
FCP (First Contentful Paint)	1.06 s — Good	0.89 s — Good	Good ≤ 1.8 s; Poor > 3 s
TTFB (Time to First Byte)	0.33 s — Good	0.26 s — Good	Good ≤ 0.8 s; Poor > 1.8 s

Mobile CWV: PASSED · Desktop CWV: PASSED

Esso Analysis

- Mobile LCP (Largest Contentful Paint): 1.34 s — Good. Maintain this result and monitor for regressions.
- Desktop LCP (Largest Contentful Paint): 1.21 s — Good. Maintain this result and monitor for regressions.
- Mobile INP (Interaction to Next Paint): 132 ms — Good. Maintain this result and monitor for regressions.

- Desktop INP (Interaction to Next Paint): 78 ms — Good. Maintain this result and monitor for regressions.
- Mobile CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Desktop CLS (Cumulative Layout Shift): 0 — Good. Maintain this result and monitor for regressions.
- Mobile FCP (First Contentful Paint): 1.06 s — Good. Maintain this result and monitor for regressions.
- Desktop FCP (First Contentful Paint): 0.89 s — Good. Maintain this result and monitor for regressions.
- Mobile TTFB (Time to First Byte): 0.33 s — Good. Maintain this result and monitor for regressions.
- Desktop TTFB (Time to First Byte): 0.26 s — Good. Maintain this result and monitor for regressions.

Supporting Lighthouse Lab Data

Device	Performance	Lab Metrics
Mobile	40	Largest Contentful Paint: 13.2 s; First Contentful Paint: 3.3 s; Total Blocking Time: 980 ms; Cumulative Layout Shift: 0; Speed Index: 7.8 s
Desktop	81	Largest Contentful Paint: 1.3 s; First Contentful Paint: 0.3 s; Total Blocking Time: 310 ms; Cumulative Layout Shift: 0; Speed Index: 1.9 s

Lab metrics describe a synthetic test. Total Blocking Time is not INP.

- Desktop: Run f19fe363-c624-484d-99dd-947f87c72c62; Collected 2026-10-12T03:40:19.016Z; CrUX Scope <https://www.aster.com.sg/esso>
- Mobile: Run b31d7820-16d2-4714-848a-705a5ba8f4a9; Collected 2026-10-12T03:40:19.883Z; CrUX Scope <https://www.aster.com.sg/esso>

Root Cause Analysis

The following are hypotheses based on measured symptoms, not confirmed diagnoses.

LCP — High Issue

Indication	Homepage, mobile: 3.06 s; Homepage, desktop: 2.56 s
Potential Causes	Potential contributors include late discovery of the LCP resource, render-blocking assets, oversized images, or slow server response. Confirm with a Lighthouse trace and the network waterfall.

FCP — High Issue

Indication	Homepage, mobile: 2.39 s
Potential Causes	Potential contributors include render-blocking CSS or fonts and delayed initial HTML.

Confirm with the network waterfall and rendering trace.

Technical Recommendation

Prioritize measured issues and verify each proposed change with traces and repeat tests.

Recommendation Priority Matrix

Priority	Action	Impact	Effort
High	Identify the LCP element; avoid lazy loading above the fold, preload the confirmed critical resource, and optimize image size and format.	LCP	Medium
High	Review critical CSS and font loading; remove confirmed unused render-blocking assets.	FCP	Medium
Medium	Repeat Mobile and Desktop checks after changes and verify field data coverage.	Validation	Low

Quick Wins

- Check the LCP image for lazy loading and supply appropriate dimensions and responsive sources.
- Review font-display and remove unnecessary font weights from the critical path.

Recommendations per Page

Our Business

- Maintain current performance and check for regressions after releases.

Petrochemicals

- Maintain current performance and check for regressions after releases.

Homepage

- High: Identify the LCP element; avoid lazy loading above the fold, preload the confirmed critical resource, and optimize image size and format.
- High: Review critical CSS and font loading; remove confirmed unused render-blocking assets.

Promotions

- Maintain current performance and check for regressions after releases.

Contact Us

- Maintain current performance and check for regressions after releases.

Doing Business with Us

- Maintain current performance and check for regressions after releases.

Newsroom

- Maintain current performance and check for regressions after releases.

Fleet Program

- Maintain current performance and check for regressions after releases.

PHV Member

- Collect sufficient URL-level field data for both devices before confirming a CWV pass.

Esso

- Maintain current performance and check for regressions after releases.

Implementation Roadmap

Suggested phases; scope and timing depend on verification and engineering capacity.

Phase	Period	Work	Metric Target
Phase 1 — Quick Wins	Weeks 1–2	Check the LCP image for lazy loading and supply appropriate dimensions and responsive sources. Review font-display and remove unnecessary font weights from the critical path.	Address Confirmed Regressions; CLS $\leq$ 0.1
Phase 2 — Optimization	Weeks 3–6	Identify the LCP element; avoid lazy loading above the fold, preload the confirmed critical resource, and optimize image size and format. Review critical CSS and font loading; remove confirmed unused render-blocking assets.	LCP $\leq$ 2.5 s; INP $\leq$ 200 ms; TTFB $\leq$ 0.8 s
Phase 3 — Validation	Months 2–3	Monitor real users, compare against this baseline, and confirm improvements across the next complete field-data window.	All Three Core Web Vitals Good at the 75th Percentile

Methodology: Google Web Vitals. CWV assessment uses LCP, INP, and CLS at the 75th percentile. FCP and TTFB are supporting metrics.