Lithium

Global BEV sales +1% YoY in Aug but flat YTD, penetration rates steady

Key takeaways from the August EV sales data: (1) **Global** BEV sales (China + EU + US) rose 2% MoM to 967k units and are up 1% YoY, but flat YTD; global BEV penetration increased to 27% in Aug (vs 25% in July'26). (2) **China** BEV penetration increased to 45% in August, with BEV sales rebounding 8% MoM to 698k units, while total EV (BEV+PHEV) penetration increased to 65% (from 64%). (3) **US** BEV sales increased 3% MoM to 80k units (from 77k) and are down 31% YTD; BEV penetration remained at 6%. (4) **EU-10** BEV sales declined 14% MoM to 189k units but are up 40% YTD; BEV penetration climbed to 29% from 25% in July. Following our recent lithium S/D review, we continue to forecast a deficit market through to 2029, albeit narrower than our prior forecast, and we have trimmed our spodumene prices ~13% to $2400/t in 2027 and 16% to $2,000/t in 2028. Our top pick in the lithium space is PLS. For more information on EV/PHEV sales, please see the JPM Asia Battery/Autos research team's latest note here.

Head of Australia Metals & Mining

Lyndon Fagan [AC]
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com
J.P. Morgan Securities Australia Limited

Metals & Mining

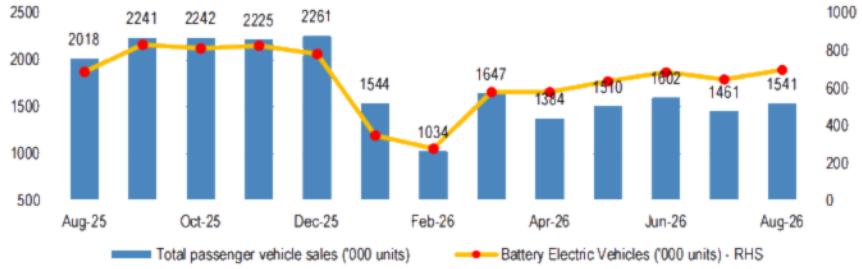
Jonathon Sharp
(61 2) 9003-8312
jonathon.sharp@jpmorgan.com
J.P. Morgan Securities Australia Limited

Devwrat Vegad
(91-22) 6157-3608
devwrat.vegad@jpmchase.com
J.P. Morgan Securities Australia Limited/ J.P. Morgan India Private Limited

Zane Guo
(61-3) 9633-4020
zane.guo@jpmorgan.com
J.P. Morgan Securities Australia Limited

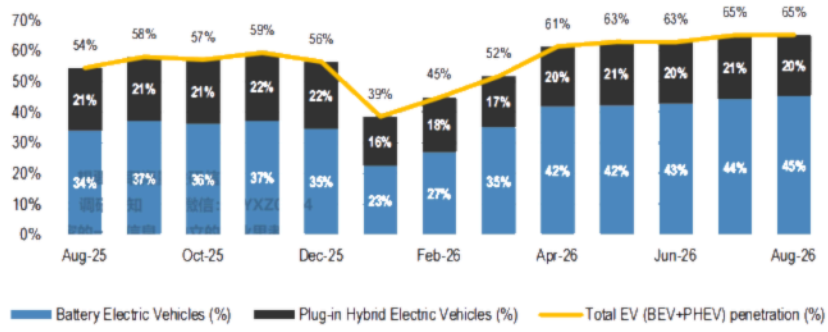
Branko Skocic
(61-3) 9633-4069
branko.skocic@jpmorgan.com
J.P. Morgan Securities Australia Limited

Figure 1: China vehicle sales vs. BEV sales



Source: China Passenger Car Association (CPCA), company data. *Note: Our China data now references retail sales vs. wholesale sales previously.*

Figure 2: China EV penetration rates

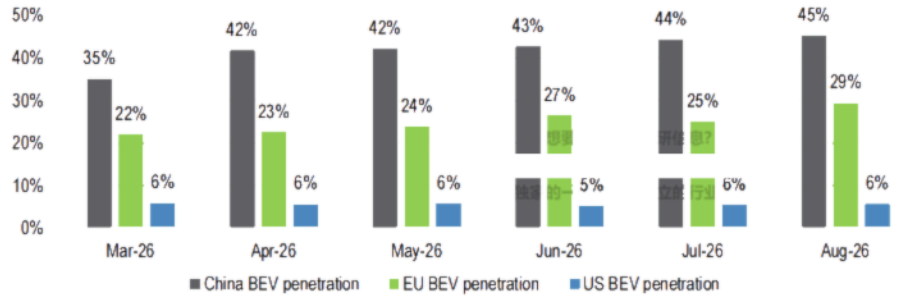


Source: China Passenger Car Association (CPCA), company data.

See page 8 for analyst certification and important disclosures, including non-US analyst disclosures.

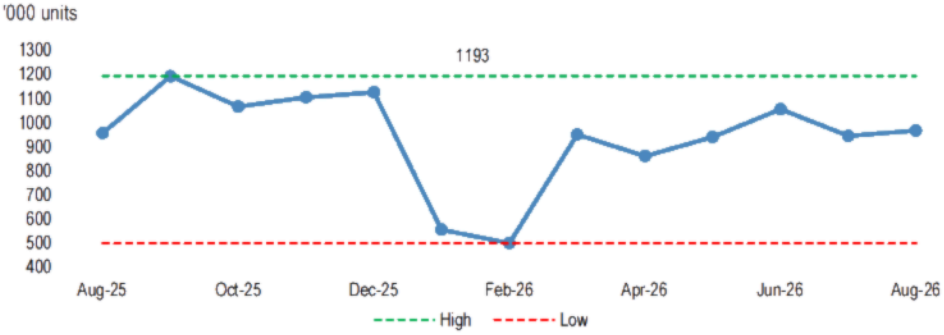
Lyndon Fagan AC
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com

Figure 3: Battery electric vehicle penetration rates by region



Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.

Figure 4: Battery electric vehicle sales – monthly (China + EU + US)



Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.
Note: Our China data now references retail sales vs. wholesale sales previously.

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Lyndon Fagan AC
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com

Figure 5: Global vehicle sales

	Global passenger vehicle sales	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26
China	**Battery Electric Vehicles ('000 units)**	686	832	812	827	782	348	278	579	579	637	685	647	698
	Total BEV sales ('000 units) - YTD	4,629	5,461	6,273	7,100	7,882	348	626	1,205	1,784	2,421	3,106	3,753	4,451
	Total BEV sales (Growth YTD YoY)	**32%**	**32%**	**30%**	**27%**	**24%**	**-19%**	**-27%**	**-20%**	**-14%**	**-9%**	**-7%**	**-5%**	**-4%**
	Plug-in Hybrid Electric Vehicles ('000 units)	414	469	469	494	494	248	186	273	271	313	322	304	307
	Other Vehicles ('000 units)	918	940	961	904	985	948	570	795	534	560	595	510	536
	Total passenger vehicle sales ('000 units)	2018	2241	2242	2225	2261	1544	1034	1647	1384	1510	1602	1461	1541
	Total vehicle sales (Growth YoY)	**6%**	**6%**	**-1%**	**-9%**	**-14%**	**-14%**	**-25%**	**-15%**	**-21%**	**-22%**	**-23%**	**-21%**	**-24%**
	Battery Electric Vehicles (%)	**34%**	**37%**	**36%**	**37%**	**35%**	**23%**	**27%**	**35%**	**42%**	**42%**	**43%**	**44%**	**45%**
	Plug-in Hybrid Electric Vehicles (%)	21%	21%	21%	22%	22%	16%	18%	17%	20%	21%	20%	21%	20%
	Total EV (BEV+PHEV) penetration (%)	**54%**	**58%**	**57%**	**59%**	**56%**	**39%**	**45%**	**52%**	**61%**	**63%**	**63%**	**65%**	**65%**
	Other Vehicles (%)	46%	42%	43%	41%	44%	61%	55%	48%	39%	37%	37%	35%	35%
US	**Battery Electric Vehicles ('000 units)**	149	147	72	69	87	66	71	84	78	86	73	77	80
	Total BEV sales ('000 units) - YTD	895	1,042	1,115	1,184	1,271	66	136	220	298	385	458	535	615
	Total BEV sales (Growth YTD YoY)	**7%**	**11%**	**6%**	**1%**	**-3%**	**-33%**	**-30%**	**-28%**	**-27%**	**-25%**	**-26%**	**-28%**	**-31%**
	Plug-in Hybrid Electric Vehicles ('000 units)	30	25	12	13	14	10	11	13	15	19	18	19	18
	Other Vehicles ('000 units)	1302	1095	1200	1210	1387	1039	1114	1308	1287	1374	1288	1284	1291
	Total passenger vehicle sales ('000 units)	1480	1267	1284	1292	1488	1114	1196	1405	1380	1480	1379	1380	1388
	Total vehicle sales (Growth YoY)	**4%**	**7%**	**-4%**	**-6%**	**-2%**	**-1%**	**-4%**	**-11%**	**-6%**	**0%**	**8%**	**-2%**	**-6%**
	Battery Electric Vehicles (%)	**10%**	**12%**	**6%**	**5%**	**6%**	**6%**	**6%**	**6%**	**6%**	**6%**	**5%**	**6%**	**6%**
	Plug-in Hybrid Electric Vehicles (%)	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
	Total EV (BEV+PHEV) penetration (%)	**12%**	**14%**	**7%**	**6%**	**7%**	**7%**	**7%**	**7%**	**7%**	**7%**	**7%**	**7%**	**7%**
	Other Vehicles (%)	88%	86%	93%	94%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Europe (EU-10)	**Battery Electric Vehicles ('000 units)**	122	213	182	209	257	142	151	287	204	217	298	221	189
	Total BEV sales ('000 units) - YTD	1,220	1,434	1,615	1,825	2,081	142	293	581	784	1,001	1,299	1,520	1,709
	Total BEV sales (Growth YTD YoY)	**25%**	**24%**	**25%**	**27%**	**29%**	**11%**	**14%**	**27%**	**30%**	**32%**	**36%**	**38%**	**40%**
	Plug-in Hybrid Electric Vehicles ('000 units)	68	116	99	97	104	82	80	132	101	105	125	117	79
	Other Vehicles ('000 units)	415	689	589	566	573	516	526	879	597	580	698	543	374
	Total passenger vehicle sales ('000 units)	605	1018	870	872	933	740	758	1298	901	902	1121	880	642
	Total vehicle sales (Growth YoY)	**4%**	**10%**	**5%**	**4%**	**4%**	**-3%**	**1%**	**11%**	**7%**	**2%**	**12%**	**5%**	**6%**
	Battery Electric Vehicles (%)	**20%**	**21%**	**21%**	**24%**	**27%**	**19%**	**20%**	**22%**	**23%**	**24%**	**27%**	**25%**	**29%**
	Plug-in Hybrid Electric Vehicles (%)	11%	11%	11%	11%	11%	11%	11%	10%	11%	12%	11%	13%	12%
	Total EV (BEV+PHEV) penetration (%)	**31%**	**32%**	**32%**	**35%**	**39%**	**30%**	**31%**	**32%**	**34%**	**36%**	**38%**	**38%**	**42%**
	Other Vehicles (%)	69%	68%	68%	65%	61%	70%	69%	68%	66%	64%	62%	62%	58%
Total	**Battery Electric Vehicles ('000 units)**	956	1193	1066	1105	1125	556	500	950	861	940	1056	945	967
	Battery Electric Vehicles (m units) - YTD	6,744	7,937	9,003	10,108	11,234	556	1,056	2,006	2,867	3,807	4,863	5,808	6,775
	BEV sales, YTD/YTD	**27%**	**27%**	**26%**	**24%**	**21%**	**-15%**	**-19%**	**-12%**	**-7%**	**-4%**	**-1%**	**0%**	**0%**
	BEV growth YoY - China	18%	29%	21%	9%	3%	-19%	-35%	-10%	2%	5%	4%	7%	2%
	BEV growth YoY - US	22%	43%	-32%	-42%	-36%	-33%	-28%	-25%	-23%	-18%	-28%	-41%	-46%
	BEV growth YoY - EU	25%	20%	35%	42%	49%	11%	18%	44%	38%	40%	53%	51%	55%
	BEV growth YoY - Total	**19%**	**29%**	**17%**	**8%**	**5%**	**-15%**	**-23%**	**-1%**	**6%**	**8%**	**10%**	**7%**	**1%**
	BEV growth MoM - Total	8%	25%	-11%	4%	2%	-51%	-10%	90%	-9%	9%	12%	-10%	2%
	Plug-in Hybrid Electric Vehicles ('000 units)	512	609	580	604	612	340	277	419	387	437	465	439	403
	Growth YoY	-1%	7%	-6%	-2%	-6%	-15%	-20%	-14%	-16%	-18%	-19%	-11%	-21%
	Other Vehicles ('000 units)	2,636	2,724	2,751	2,680	2,945	2,503	2,210	2,982	2,417	2,514	2,581	2,337	2,201
	Total passenger vehicle sales ('000 units)	4,104	4,526	4,396	4,389	4,683	3,398	2,987	4,351	3,665	3,891	4,102	3,722	3,571
	Total passenger vehicles (Growth YoY)	**5%**	**7%**	**-1%**	**-6%**	**-7%**	**-8%**	**-12%**	**-7%**	**-10%**	**-9%**	**-6%**	**-9%**	**-13%**
	Battery Electric Vehicles (%)	**23%**	**26%**	**24%**	**25%**	**24%**	**16%**	**17%**	**22%**	**23%**	**24%**	**26%**	**25%**	**27%**
	Plug-in Hybrid Electric Vehicles (%)	12%	13%	13%	14%	13%	10%	9%	10%	11%	11%	11%	12%	11%
	Total EV (BEV+PHEV) penetration (%)	**36%**	**40%**	**37%**	**39%**	**37%**	**26%**	**26%**	**31%**	**34%**	**35%**	**37%**	**37%**	**38%**
	Other Vehicles (%)	64%	60%	63%	61%	63%	74%	74%	69%	66%	65%	63%	63%	62%

Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.
Note: Our China data now references retail sales vs. wholesale sales previously.

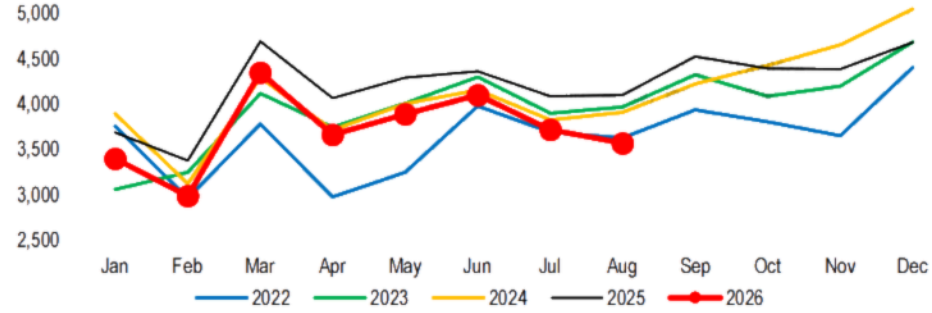
Lyndon Fagan [AC]
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com

J.P.Morgan

Global

Figure 6: Total vehicle sales – Global

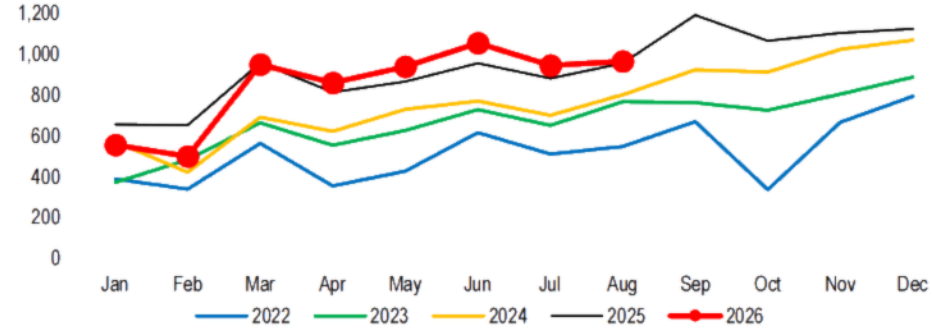
'000 units



Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.

Figure 7: Battery electric vehicle sales – Global

'000 units

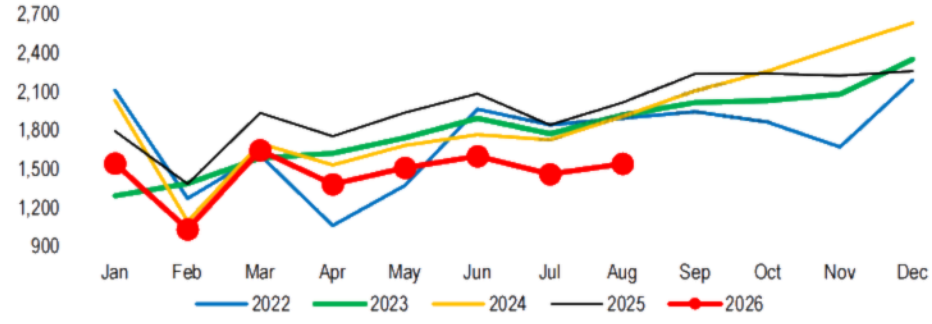


Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.

China

Figure 8: Total vehicle sales – China

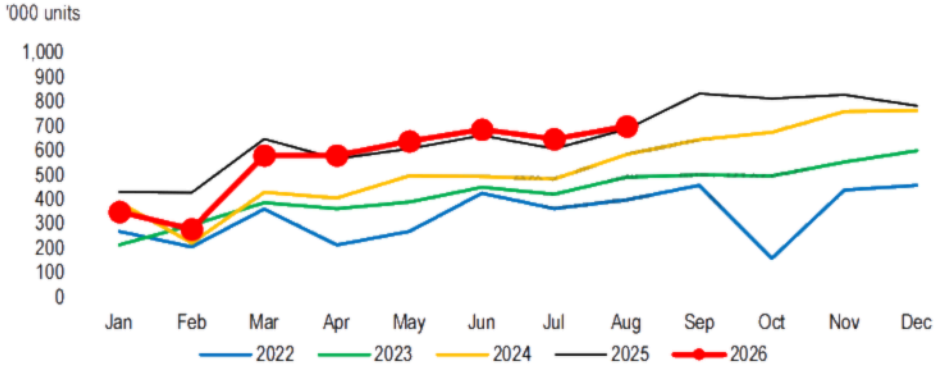
'000 units



Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.

Lyndon Fagan [AC]
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com

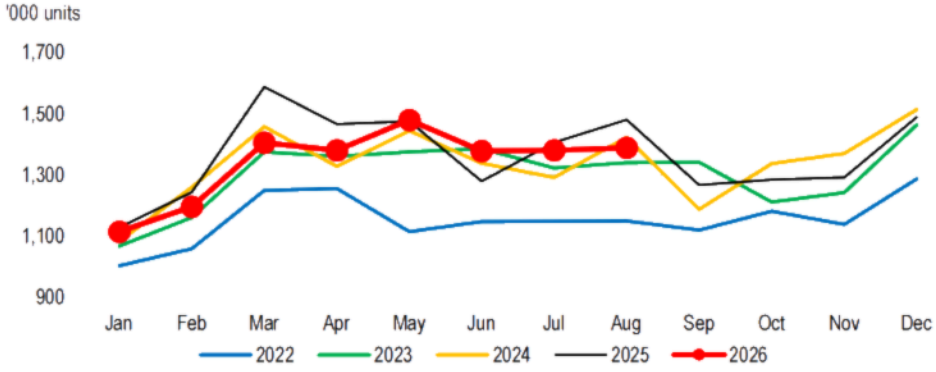
Figure 9: Battery electric vehicle sales – China



Source: China Passenger Car Association (CPCA), company data, Motor Intelligence.

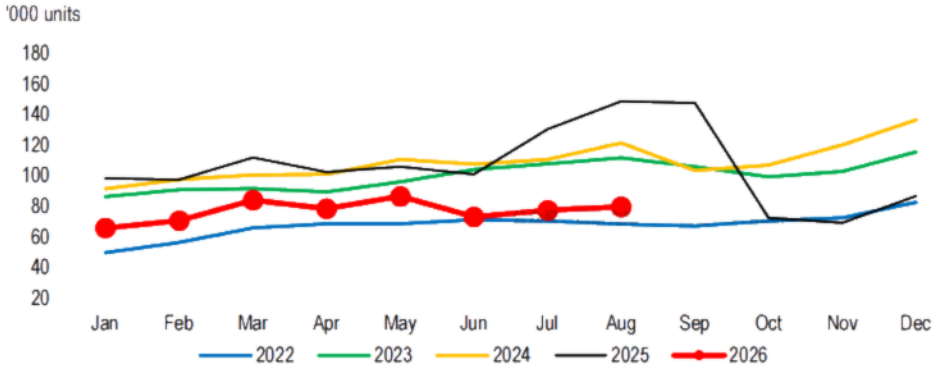
US

Figure 10: Total vehicle sales – US



Source: Company data, Motor Intelligence.

Figure 11: Battery electric vehicle sales – US



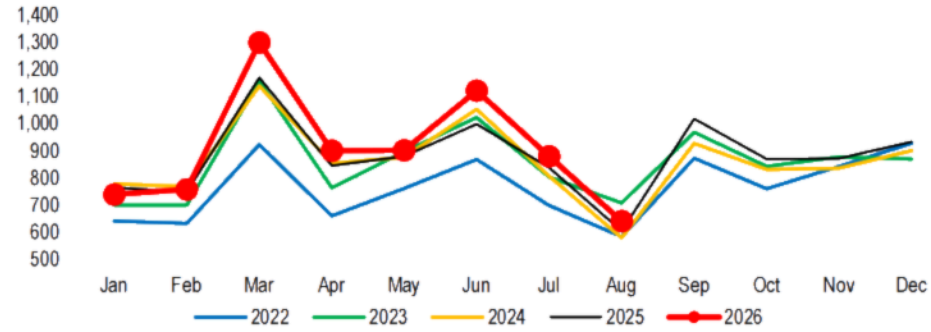
Source: Company data, Motor Intelligence.

Lyndon Fagan [AC]
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com

EU-10 (France, Germany, UK, Austria, Norway, Sweden, Switzerland, Italy, Spain, Netherlands)

Figure 12: Total vehicle sales – EU

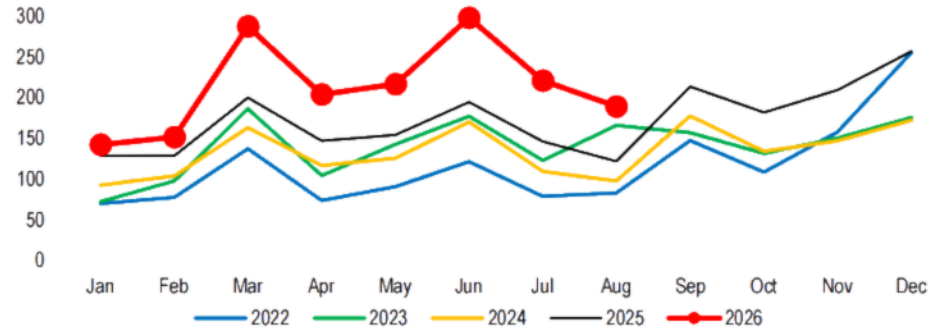
'000 units.



Source: Company data, Motor Intelligence.

Figure 13: Battery electric vehicle sales – EU

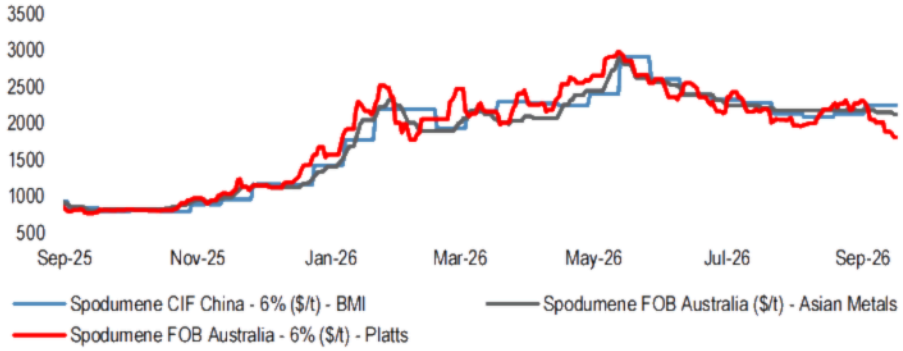
'000 units



Source: Company data, Motor Intelligence.

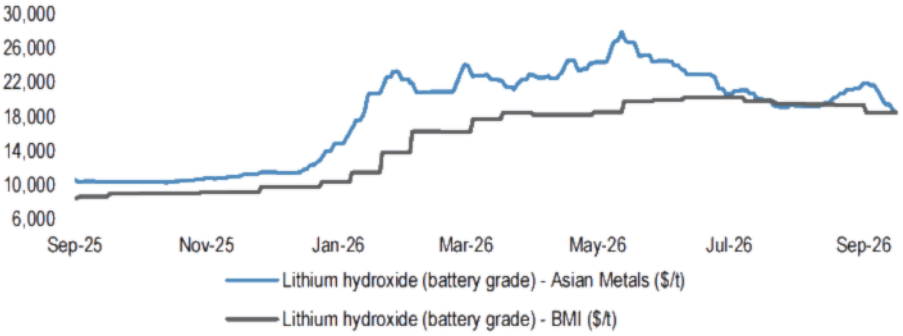
Lyndon Fagan AC
(61-2) 9003-8648
lyndon.fagan@jpmorgan.com

Figure 14: Lithium spodumene prices



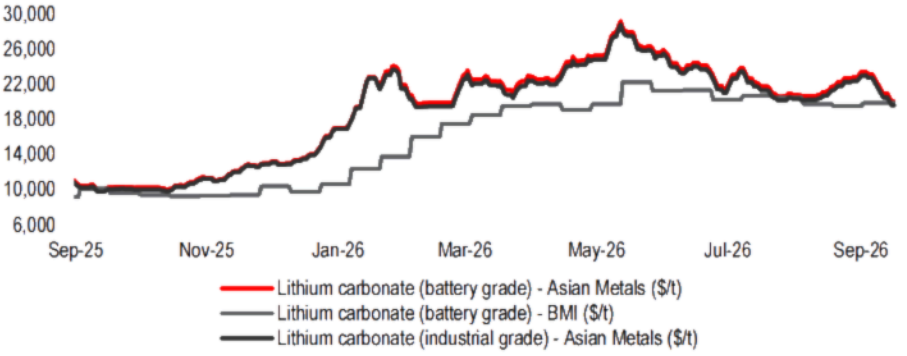
Source: Bloomberg Finance L.P.

Figure 15: Lithium hydroxide prices



Source: Bloomberg Finance L.P.

Figure 16: Lithium carbonate prices



Source: Bloomberg Finance L.P.