

Cost.

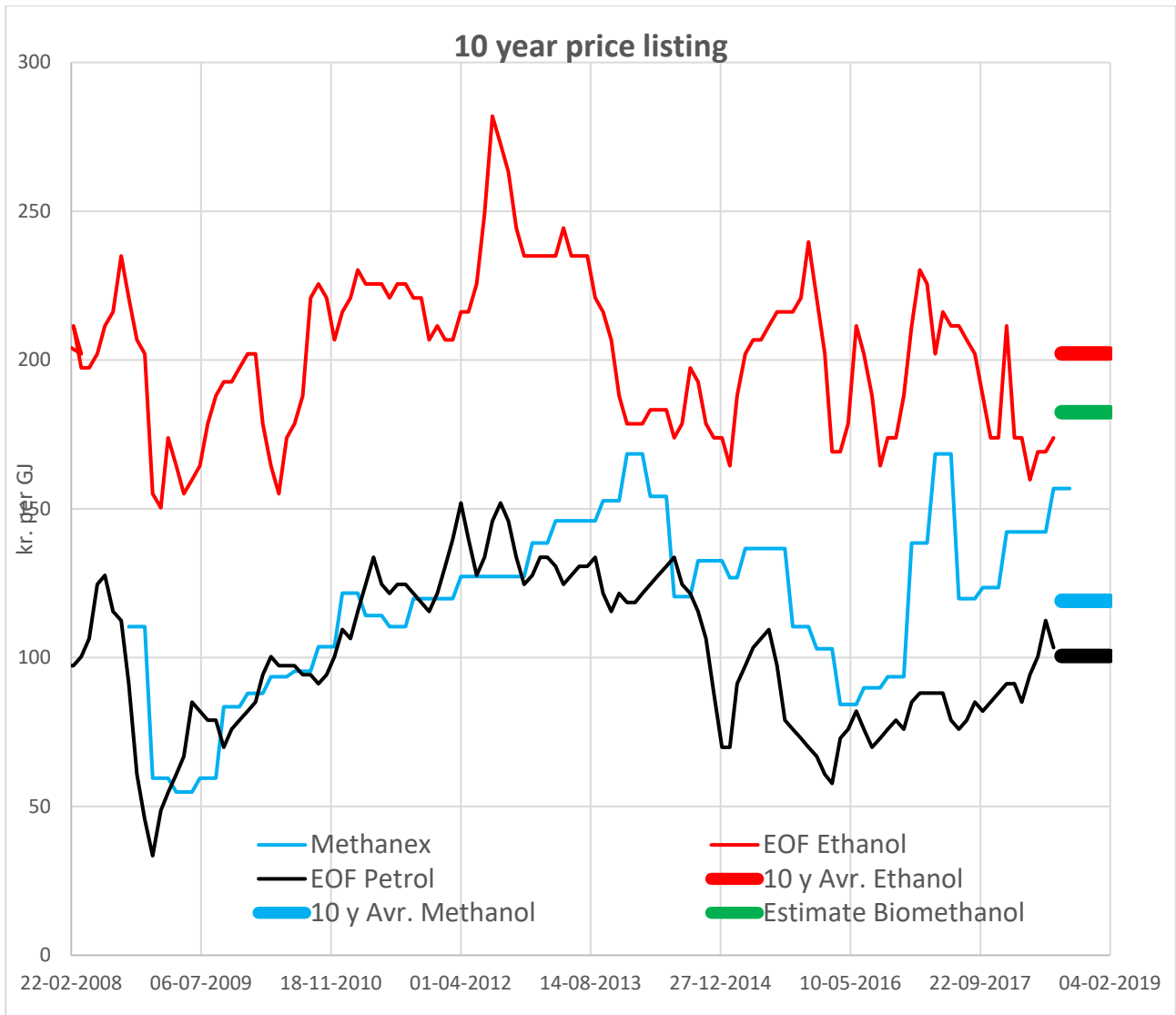


Figure 1. Fluctuating international price listing published by Drivkraft Danmark (EOF) and Methanex. The average figures and estimates at the far right are used in cost calculation of blends.

Feedstock Basic Figures

	Unit	Ethanol	Methanol	Benzin	Biomethanol	Source
Properties						
Oxygen	% MOL	35%	50%	0%	50%	IEA-AMF Annex 56 Project
Lower Heating Value (LHV)	GJ/t	26,80	19,90	44,16	19,90	The Danish Ministry of Taxation
Lower Heating Value (LHV)	MJ/l	21,28	15,78	32,90	15,78	The Danish Ministry of Taxation
Bioenergy	% by energy	100%	0%	0%	200%	The Danish Ministry of Taxation
Bioenergy advanced	% by energy	0%	0%	0%	100%	The Danish Ministry of Taxation
Density	kg/m ³	794	793	745	793	The Danish Ministry of Taxation
Mileage	MJ/km	1,60	1,60	1,60	1,60	IEA-AMF Annex 56 Project
Mileage	km/l	13,30	9,86	20,56	9,86	IEA-AMF Annex 56 Project
WtW CO ₂	g/l	22,00	-	2494,00	2,00	IEA-AMF Annex 56 Project
Tax						
Tax at day temp.	kr./GJ	132,10	132,10	131,88	132,10	The Danish Ministry of Taxation
CO ₂ tax	kr./GJ	0,00	12,80	12,80	0,00	The Danish Ministry of Taxation
International Listing						
10 year average	kr./l	4,30	1,88	3,31		Drivkraft Danmark (EOF) / Methanex
10year average	kr./GJ	202,22	119,10	100,57		Drivkraft Danmark (EOF) / Methanex
Cost factor						
Ave. Listing /Estimate	kr./GJ	202,22	119,10	100,57	189,10	IEA-AMF Annex 56 Project
Surcharge at the pump	kr./GJ	60,00	60,00	60,00	60,00	IEA-AMF Annex 56 Project
Feedstock at the pump	kr./GJ	262,22	179,10	160,57	249,10	IEA-AMF Annex 56 Project
Fuel at the pump incl. tax	kr./GJ	394,32	324,00	305,25	381,20	IEA-AMF Annex 56 Project
Fuel at the pump incl. VAT	kr./GJ	492,90	405,00	381,56	476,50	IEA-AMF Annex 56 Project

Figure xx.

Tax

<https://skat.dk/SKAT.aspx?oid=2090994>

<https://skat.dk/skat.aspx?oid=1946602>

Blends

	Density	LHV	Bioenergy	Advanced bio	Oxygen	Range	WW CO ₂	WW CO ₂	Energy tax	CO ₂ tax	Total tax	Product	At the pump incl VAT	At the pump incl VAT
	kg/m ³	MJ/l	% _y ^{energ}	% _y ^{energ}	%Mo l	km/l	g/l	g/km	kr./l	kr./l	kr./k m	kr./l	kr./l	kr./k m
E5, 95 Octane	747,4 5	32,3 2	5%	0%	2%	19,8 0	2370,4 0	119,7 2	4,2 6	0,4 0	0,24	5,3 0	12,4 5	0,63
A7, 95 Octane	748,4 0	31,9 2	10%	3%	3%	19,5 6	2320,3 6	118,6 5	4,2 1	0,3 9	0,24	5,2 5	12,3 2	0,63
M30	759,4 0	27,7 6	60%	30%	15%	17,8 6	1746,4 0	97,81	3,6 6	0,2 9	0,22	4,8 8	11,0 4	0,62
M85, 105 Octane	785,8 0	18,3 5	170%	85%	43%	11,8 0	375,80	31,85	2,4 2	0,0 6	0,21	4,1 3	8,27	0,70
M100	793,0 0	15,7 8	200%	100%	50%	10,1 5	2,00	0,20	2,0 8	0,0 0	0,21	3,9 3	7,52	0,74

Figure xxx. Mileage/range is measured for test vehicle on E5 and M85. For other blends the relative mileage based on energy content is calculated.