Changes to Argus Crude and Refined Products Outlook effective 5 September 2022

Argus is stopping the following codes in the Argus Crude and Refined Products Outlook data module. The following series will be discontinued in the DCrudeOtlook module in the DCrudeOutlook folder on ftp.argusmedia.com effective 5 September 2022. Replacement series are being introduced (see below). The reason for the change is the replacement of the crude grade used in crack spread calculation for US refined products.

PA-code	Time Stamp	Price Type	Continuous Forward	Description	Differential basis	Start Date	End date	Unit	Category	Frequency
PA0034638	0	8	1	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034638	0	8	2	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034638	0	8	3	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034638	0	8	4	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034638	0	8	5	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034638	0	8	6	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034639	0	8	1	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034639	0	8	2	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034639	0	8	3	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034639	0	8	4	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034639	0	8	5	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034639	0	8	6	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034640	0	8	1	Jet fuel USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US Gulf coast	Monthly
PA0034640	0	8	2	Jet fuel USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US Gulf coast	Monthly
PA0034640	0	8	3	Jet fuel USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US Gulf coast	Monthly
PA0034640	0	8	4	Jet fuel USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US Gulf coast	Monthly
PA0034640	0	8	5	Jet fuel USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US Gulf coast	Monthly
PA0034640	0	8	6	Jet fuel USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US Gulf coast	Monthly
PA0034641	0	8	1	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034641	0	8	2	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034641	0	8	3	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034641	0	8	4	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034641	0	8	5	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034641	0	8	6	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034642	0	8	1	Heating oil USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034642	0	8	2	Heating oil USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034642	0	8	3	Heating oil USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034642	0	8	4	Heating oil USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034642	0	8	5	Heating oil USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034642	0	8	6	Heating oil USGC waterborne fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034643	0	8	1	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034643	0	8	2	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034643	0	8	3	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034643	0	8	4	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034643	0	8	5	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034643	0	8	6	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034644	0	8	1	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034644	0	8	2	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034644	0	8	3	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034644	0	8	4	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034644	0	8	5	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034644	0	8	6	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast month	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly

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PA0034676	0	8	1	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	2	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	3	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	4	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	5	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	6	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	7	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	8	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	9	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	10	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	11	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034676	0	8	12	Naphtha heavy 40 N+A USGC waterborne del - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Naphtha->US Gulf coast	Monthly
PA0034677	0	8	1	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	2	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	3	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	4	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	5	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	6	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	7	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	8	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	9	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	10	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	11	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034677	0	8	12	Gasoline 87 conv USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoline->US Gulf coast->87 conventional	Monthly
PA0034678	0	8	1	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	2	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	3	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	4	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	5	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	6	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	7	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	8	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	9	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	10	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	11	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034678	0	8	12	Jet fuel USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Jet->US east coast	Monthly
PA0034679	0	8	1	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	2	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	3	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	4	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	5	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	6	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	7	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	8	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	9	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	10	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly

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PA0034679	0	8	11	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034679	0	8	12	Diesel ULSD 62 fob USGC waterborne - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Diesel ULSD 62	Monthly
PA0034680	0	8	1	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	2	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	3	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	4	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	5	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	6	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	7	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	8	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	9	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	10	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	11	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034680	0	8	12	Heating oil USGC waterborne fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Gasoil/Diesel/Heating oil->US Gulf coast->Heating oil	Monthly
PA0034681	0	8	1	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	2	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	3	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	4	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	5	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	6	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	7	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	8	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	9	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	10	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	11	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034681	0	8	12	Fuel oil 1.0%S barge NYH cif - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US east coast	Monthly
PA0034682	0	8	1	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	2	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	3	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	4	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	5	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	6	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	7	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	8	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	9	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	10	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	11	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly
PA0034682	0	8	12	Fuel oil 3.0%S barge USGC fob - LLS crack spread forecast quarter	-	01-Nov-2021	31-Aug-2022	USD/bl	->Products->Fuel oil->US Gulf coast	Monthly

Replacement series starting September 2022 are as follows. Please note that the replacement series are placed into a different category

PA-code	Time Stamp	Price Type	Continuous Forward	Description	Differential basis	Start Date	End date	Unit	Category	Frequency
PA0037629	0	8	1	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037629	0	8	2	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037629	0	8	3	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037629	0	8	4	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly

PA-code	Time Stamp	Price Type	Continuous Forward	Description	Differential basis	Start Date	End date	Unit	Category	Frequency
PA0037629	0	8	5	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037629	0	8	6	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037630	0	8	1	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037630	0	8	2	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037630	0	8	3	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037630	0	8	4	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037630	0	8	5	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037630	0	8	6	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037631	0	8	1	Jet fuel USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037631	0	8	2	Jet fuel USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037631	0	8	3	Jet fuel USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037631	0	8	4	Jet fuel USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037631	0	8	5	Jet fuel USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037631	0	8	6	Jet fuel USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037632	0	8	1	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037632	0	8	2	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037632	0	8	3	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037632	0	8	4	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037632	0	8	5	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037632	0	8	6	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037633	0	8	1	Heating oil USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037633	0	8	2	Heating oil USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037633	0	8	3	Heating oil USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037633	0	8	4	Heating oil USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037633	0	8	5	Heating oil USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037633	0	8	6	Heating oil USGC waterborne fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037634	0	8	1	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037634	0	8	2	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037634	0	8	3	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037634	0	8	4	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037634	0	8	5	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037634	0	8	6	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037635	0	8	1	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037635	0	8	2	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037635	0	8	3	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037635	0	8	4	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037635	0	8	5	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037635	0	8	6	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast month	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	1	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	2	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	3	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	4	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	5	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	6	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	7	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	8	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly

PA-code	Time Stamp	Price Type	Continuous Forward	Description	Differential basis	Start Date	End date	Unit	Category	Frequency
PA0037636	0	8	9	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	10	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	11	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037636	0	8	12	Naphtha heavy 40 N+A USGC waterborne del - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	1	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	2	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	3	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	4	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	5	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	6	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	7	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	8	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	9	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	10	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	11	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037637	0	8	12	Gasoline 87 conv USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	1	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	2	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	3	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	4	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	5	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	6	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	7	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	8	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	9	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	10	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	11	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037638	0	8	12	Jet fuel USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	1	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	2	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	3	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	4	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	5	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	6	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	7	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	8	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	9	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	10	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	11	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037639	0	8	12	Diesel ULSD 62 fob USGC waterborne - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	1	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	2	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	3	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	4	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	5	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	6	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly

PA-code	Time Stamp	Price Type	Continuous Forward	Description	Differential basis	Start Date	End date	Unit	Category	Frequency
PA0037640	0	8	7	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	8	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	9	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	10	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	11	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037640	0	8	12	Heating oil USGC waterborne fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	1	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	2	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	3	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	4	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	5	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	6	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	7	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	8	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	9	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	10	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	11	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037641	0	8	12	Fuel oil 1.0%S barge NYH cif - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	1	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	2	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	3	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	4	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	5	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	6	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	7	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	8	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	9	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	10	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	11	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly
PA0037642	0	8	12	Fuel oil 3.0%S barge USGC fob - WTI crack spread forecast quarter	-	01-Sep-2022		USD/bl	->Products->Crack spreads	Monthly