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LAST UPDATED: MARCH 2021
The most up-to-date Argus European Base Oils methodology is available on www.argusmedia.com

www.argusmedia.com
Methodology overview

Methodology rationale
Argus strives to construct methodologies that reflect the way the market trades. Argus aims to produce price assessments which are reliable and representative indicators of commodity market values and are free from distortion. As a result, the specific currencies, volume units, locations and other particulars of an assessment are determined by industry conventions.

In the European base oils market, Argus publishes physical market prices in the open market, and refiners’ posted prices as laid out in the specifications and methodology guide. Argus uses the trading period deemed by Argus to be most appropriate, in consultation with industry, to capture market liquidity.

In order to be included in the assessment process, deals must meet the minimum volume, delivery, timing and specification requirements in our methodology. In illiquid markets, and in other cases where deemed appropriate, Argus assesses the range within which product could have traded by applying a strict process outlined later in this methodology.

Verification of transaction data
Reporters carefully analyse all data submitted to the price assessment process. These data include transactions, bids, offers, volumes, counterparties, specifications and any other information that contributes materially to the determination of price. This high level of care described applies regardless of the methodology employed. Specific to transactions, bids, and offers, reporters seek to verify the price, the volume, the specifications, location basis, and counterparty. In some transactional average methodologies, reporters also examine the full array of transactions to match counterparties and arrive at a list of unique transactions.

Several tests are applied by reporters in all markets to transactional data to determine if it should be subjected to further scrutiny. If a transaction has been identified as failing such a test, it will receive further scrutiny. For assessments used to settle derivatives and for many other assessments, Argus has established internal procedures that involve escalation of inquiry within the source’s company and escalating review within Argus management. Should this process determine that a transaction should be excluded from the price assessment process, the supervising editor will initiate approval and, if necessary, documentation procedures.

Primary tests applied by reporters
• Transactions not transacted at arm’s length, including deals between related parties or affiliates.
• Transaction prices that deviate significantly from the mean of all transactions submitted for that day.
• Transaction prices that fall outside of the generally observed lows and highs that operated throughout the trading day.
• Transactions that are suspected to be a leg of another transaction or in some way contingent on an unknown transaction.
• Single deal volumes that significantly exceed the typical transaction volume for that market.
• Transaction details that are identified by other market participants as being for any reason potentially anomalous and perceived by Argus to be as such.
• Transaction details that are reported by one counterparty differently than the other counterparty.
• Any transaction details that appear to the reporter to be illogi-
cal or to stray from the norms of trading behaviour. This could include but is not limited to divergent specifications, unusual delivery location and counterparties not typically seen.

- Transactions that involve the same counterparties, the same price and delivery dates are checked to see that they are separate deals and not one deal duplicated in Argus records.

**Secondary tests applied by editors for transactions identified for further scrutiny**

**Transaction tests**
- The impact of linkage of the deal to possible other transactions such as contingent legs, exchanges, options, swaps, or other derivative instruments. This will include a review of transactions in markets that the reporter may not be covering.
- The nature of disagreement between counterparties on transactional details.
- The possibility that a deal is directly linked to an offsetting transaction that is not publicly known, for example a “wash trade” which has the purpose of influencing the published price.
- The impact of non-market factors on price or volume, including distressed delivery, credit issues, scheduling issues, demurrage, or containment.

**Source tests**
- The credibility of the explanation provided for the outlying nature of the transaction.
- The track record of the source. Sources will be deemed more credible if they
  - Regularly provide transaction data with few errors.
  - Provide data by Argus’ established deadline.
  - Quickly respond to queries from Argus reporters.
  - Have staff designated to respond to such queries.
  - How close the information receipt is to the deadline for information, and the impact of that proximity on the validation process.

**Assessment guidelines**
When insufficient, inadequate, or no transaction information exists, or when Argus concludes that a transaction based methodology will not produce representative prices, Argus reporters will make an assessment of market value by applying intelligent judgment based on a broad array of factual market information. Reporters must use a high degree of care in gathering and validating all market data used in determining price assessments, a degree of care equal to that applying to gathering and validating transactions. The information used to form an assessment could include deals done, bids, offers, tenders, spread trades, exchange trades, fundamental supply and demand information and other inputs.

The assessment process employing judgment is rigorous, replicable, and uses widely accepted valuation metrics. These valuation metrics mirror the process used by physical commodity traders to internally assess value prior to entering the market with a bid or offer. Applying these valuation metrics along with sound judgment significantly narrows the band within which a commodity can be assessed, and greatly increases the accuracy and consistency of the price series. The application of judgment is conducted jointly with the supervising editor, in order to be sure that guidelines below are being followed. Valuation metrics include the following:

**Relative value transactions**
Frequently transactions occur which instead of being an outright purchase or sale of a single commodity, are instead exchanges of commodities. Such transactions allow reporters to value less liquid markets against more liquid ones and establish a strong basis for the exercise of judgment.

- Exchange one commodity for a different commodity in the same market at a negotiated value.
- Exchange delivery dates for the same commodity at a negotiated value.
- Exchange a commodity in one location for the same commodity at another location at a negotiated value.

**Bids and offers**
If a sufficient number of bids and offers populate the market, then in most cases the highest bid and the lowest offer can be assumed to define the boundaries between which a deal could be transacted.

**Comparative metrics**
The relative values between compared commodities are readily discussed in the market and can be discovered through dialogue with market participants. These discussions are the precursor to negotiation and conclusion of transactions.

- Comparison to the same commodity in another market centre.
- Comparison to a more actively traded but slightly different specification commodity in the same market centre.
- Comparison to the same commodity traded for a different delivery timing
- Comparison to the commodity’s primary feedstock or primary derived product(s).
- Comparison to trade in the same commodity but in a different modality (as in barge versus oceangoing vessel) or in a different total volume (as in full cargo load versus partial cargo load).

**Volume minimums and transaction data thresholds**
Argus typically does not establish thresholds strictly on the basis of a count of transactions, as this could lead to unreliable and non-representative assessments and because of the varying transportation infrastructure found in all commodity markets. Instead, minimum volumes are typically established which may apply to each transaction accepted, to the aggregate of transactions, to transactions which set a low or high assessment or to other volumetrically relevant parameters.

For price assessments used to settle derivatives, Argus will seek to establish minimum transaction data thresholds and when no such threshold can be established Argus will explain the reasons. These thresholds will often reflect the minimum volumes necessary to produce a transaction-based methodology, but may also establish
minimum deal parameters for use by a methodology that is based primarily on judgment.

Should no transaction threshold exist, or should submitted data fall below this methodology’s stated transaction data threshold for any reason, Argus will follow the procedures outlined elsewhere in this document regarding the exercise of judgment in the price assessment process.

Swaps and forwards markets
Argus publishes forward assessments for numerous markets. These include forward market contracts that can allow physical delivery and swaps contracts that swap a fixed price for the average of a floating published price. Argus looks at forward swaps to inform physical assessments but places primary emphasis on the physical markets.

Publications and price data
Argus base oil prices are published in the Argus European Base Oils report. The price data are available independent of the text-based report in electronic files that can feed into various databases. These price data are also supplied through various third-party data integrators. The Argus website also provides access to prices, reports and news with various web-based tools. All Argus prices are kept in a historical database and available for purchase. Contact your local Argus office for information.

A publication schedule is available at www.argusmedia.com

Consistency in the assessment process
Argus recognises the need to have judgment consistently applied by reporters covering separate markets, and by reporters replacing existing reporters in the assessment process. In order to ensure this consistency, Argus has developed a programme of training and oversight of reporters. This programme includes:

- A global price reporting manual describing among other things the guidelines for the exercise of judgment.
- Cross-training of staff between markets to ensure proper holiday and sick leave backup. Editors that float between markets to monitor staff application of best practices.
- Experienced editors overseeing reporting teams are involved in daily mentoring and assisting in the application of judgment for illiquid markets.
- Editors are required to sign-off on all price assessments each day, thus ensuring the consistent application of judgment.

Review of methodology
The overriding objective of any methodology is to produce price assessments which are reliable and representative indicators of commodity market values and are free from distortion. As a result, Argus editors and reporters are regularly examining our methodologies and are in regular dialogue with the industry in order to ensure that the methodologies are representative of the market being assessed. This process is integral with reporting on a given market. In addition to this ongoing review of methodology, Argus conducts reviews of all of its methodologies and methodology documents on at least an annual basis.

Argus market report editors and management will periodically and as merited initiate reviews of market coverage based on a qualitative analysis that includes measurements of liquidity, visibility of market data, consistency of market data, quality of market data and industry usage of the assessments. Report editors will review:

- Appropriateness of the methodology of existing assessments
- Termination of existing assessments
- Initiation of new assessments

The report editor will initiate an informal process to examine viability. This process includes:

- Informal discussions with market participants
- Informal discussions with other stakeholders
- Internal review of market data

Should changes, terminations, or initiations be merited, the report editor will submit an internal proposal to management for review and approval. Should changes or terminations of existing assessments be approved, then formal procedures for external consultation are begun.

Changes to methodology
Formal proposals to change methodologies typically emerge out of the ongoing process of internal and external review of the methodologies. Formal procedures for external consultation regarding material changes to existing methodologies will be initiated with an
announcement of the proposed change published in the relevant Argus report. This announcement will include:

- Details on the proposed change and the rationale
- Method for submitting comments with a deadline for submissions
- For prices used in derivatives, notice that all formal comments will be published after the given consultation period unless submitter requests confidentiality

Argus will provide sufficient opportunity for stakeholders to analyse and comment on changes, but will not allow the time needed to follow these procedures to create a situation wherein unrepresentative or false prices are published, markets are disrupted, or market participants are put at unnecessary risk. Argus will engage with industry throughout this process in order to gain acceptance of proposed changes to methodology. Argus cannot however guarantee universal acceptance and will act for the good order of the market and ensure the continued integrity of its price assessments as an overriding objective.

Following the consultation period, Argus management will commence an internal review and decide on the methodology change. This will be followed by an announcement of the decision, which will be published in the relevant Argus report and include a date for implementation. For prices used in derivatives, publication of stakeholders’ formal comments that are not subject to confidentiality and Argus’ response to those comments will also take place.

**Pricing procedure**
Base oil price assessments are based on two elements – a survey of market participants and a volume-weighted average of any trades in the past week which fit the standard industry specifications listed below and which Argus has been able to verify. The final price is based on an average of the survey value and the volume-weighted trade value. In the absence of transactions, the assessment will be based on the market survey. This final price is the midpoint price between the published low and high price. Argus applies editorial judgment to arrive at an intelligent assessment of the spread between the low and high price.

Information on transactions, bids and offers that lie outside the specifications of timing, size, location and quality will be taken into account but information that lies within the listed specifications of the assessment will be given most weight. Argus applies editorial judgment to the surveys and will eliminate information that appears to be ‘off the consensus’ in its final assessment of the price.

**Price assessment schedule**
Argus European Base Oils is published once a week, typically on Friday. A complete publishing schedule is available at [www.argusmedia.com](http://www.argusmedia.com).

A selection of forward prices is made available electronically to subscribers through Argus Direct and other means on the other working days of the week.

To be considered for inclusion in the assessments, trades must have been completed and other market information refer to conditions up to the times specified below. Market information reported after this time and referring to trade or market activity before this time may be considered for inclusion in the assessment.

**Currency conversion**
Currencies are converted using exchange rates from Ice Data Services as of 6pm UK time on Thursday.
### Europe

#### Group I

**SN 150 fob domestic NWE**
Solvent neutral 150 (SN 150) base oil  
**Basis:** delivery ex-tank for sale within Europe  
The basis is fob northwest Europe.  
**Unit:** US dollars/metric tonne  
**Timing:** loading 1-30 days forward from date of assessment  
**Volume minimum:** 20t  
**Timestamp:** 4.30pm London time on Thursday

**SN 500 fob domestic NWE**
Solvent neutral 500 (SN 500) base oil  
**Basis:** delivery ex-tank for sale within Europe  
The basis is fob northwest Europe.  
**Unit:** US dollars/metric tonne  
**Timing:** loading 1-30 days forward from date of assessment  
**Volume minimum:** 20t  
**Timestamp:** 4.30pm London time on Thursday

**Bright stock fob domestic NWE**
Bright stock base oil  
**Basis:** delivery ex-tank for sale within Europe  
The basis is fob northwest Europe.  
**Unit:** US dollars/metric tonne  
**Timing:** loading 1-30 days forward from date of assessment  
**Volume minimum:** 20t  
**Timestamp:** 4.30pm London time on Thursday

**SN 150 fob European export**
Solvent neutral 150 (SN 150) base oil  
**Basis:** export cargoes on a fob Europe basis  
**Unit:** US dollars/metric tonne  
**Timing:** loading 15-30 days forward from date of assessment  
**Volume minimum:** 1,000t  
**Timestamp:** 4.30pm London time on Thursday

**SN 500 fob European export**
Solvent neutral 500 (SN 500) base oil  
**Basis:** export cargoes on a fob Europe basis  
**Unit:** US dollars/metric tonne  
**Timing:** loading 15-30 days forward from date of assessment  
**Volume minimum:** 1,000t  
**Timestamp:** 4.30pm London time on Thursday

**Bright stock fob European export**
Bright stock base oil  
**Basis:** export cargoes on a fob Europe basis  
**Unit:** US dollars/metric tonne  
**Timing:** loading 15-30 days forward from date of assessment  
**Volume minimum:** 1,000t  
**Timestamp:** 4.30pm London time on Thursday

#### Group II

**N100 fca ARA**
Neutral 100 (N100) base oil  
**Basis:** delivery ex-tank for sale from ARA  
**Unit:** euros/metric tonne, with conversion into US dollars/metric tonne

### Base oil specifications

<table>
<thead>
<tr>
<th>Group</th>
<th>Viscosity index</th>
<th>Viscosity at 40°C</th>
<th>Viscosity at 100°C</th>
<th>Flash point</th>
<th>Sulphur content</th>
<th>Pour point</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SN 150</td>
<td>95-100</td>
<td>28-32 cst</td>
<td>4.4-5.6 cst</td>
<td>min. 195°C</td>
<td>0.15-0.6%</td>
<td>max. -6°C</td>
</tr>
<tr>
<td>SN 500</td>
<td>95-100</td>
<td>90-105 cst</td>
<td>9.7-12 cst</td>
<td>min. 210°C</td>
<td>0.15-0.6%</td>
<td>max. -6°C</td>
</tr>
<tr>
<td>Bright stock</td>
<td>min. 95</td>
<td>min. 28 cst</td>
<td>min. 278°C</td>
<td>0.15-0.6%</td>
<td>max. -9°C</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>N100</td>
<td>95-105</td>
<td>18-21 cst</td>
<td>3.8-4.3 cst</td>
<td>min. 199°C</td>
<td>max. 0.015%</td>
<td>max. -12°C</td>
</tr>
<tr>
<td>N150</td>
<td>95-110</td>
<td>28-32 cst</td>
<td>5.5-6.6 cst</td>
<td>min. 210°C</td>
<td>max. 0.012%</td>
<td>max. -12°C</td>
</tr>
<tr>
<td>N220</td>
<td>95-110</td>
<td>40-46 cst</td>
<td>6.1-6.7 cst</td>
<td>min. 214°C</td>
<td>max.0.015%</td>
<td>max. -12°C</td>
</tr>
<tr>
<td>N600</td>
<td>95-110</td>
<td>104-120 cst</td>
<td>11.7-12.65 cst</td>
<td>min. 250°C</td>
<td>max. 0.025%</td>
<td>max. -12°C</td>
</tr>
<tr>
<td>III</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4cst</td>
<td>min. 120</td>
<td>19-20 cst</td>
<td>4.1-4.4 cst</td>
<td>min. 220°C</td>
<td>max. 0.001%</td>
<td>max. -12°C</td>
</tr>
<tr>
<td>6cst</td>
<td>min. 120</td>
<td>32-37 cst</td>
<td>5.7-6.5 cst</td>
<td>min. 220°C</td>
<td>max. 0.001%</td>
<td>max. -12°C</td>
</tr>
<tr>
<td>8cst</td>
<td>min. 120</td>
<td>43.8-50.1 cst</td>
<td>7.6-8.2 cst</td>
<td>min. 220°C</td>
<td>max. 0.001%</td>
<td>max. -12°C</td>
</tr>
</tbody>
</table>
**Group III (a)**

4cst fca NWE (a)

- **Basis:** delivery ex-tank from Antwerp or Rotterdam for sale within Europe
- **Unit:** euros/metric tonne, with conversion into US dollars/metric tonne
- **Volume:** minimum 20t
- **Specification:** base oils which have Volkswagen Oil Quality Standard VW 504 00/507 00 certification
- **Timing:** delivered 1-30 days forward from date of assessment
- **Timestamp:** 4.30pm London time on Thursday

6cst fca NWE (a)

- **Basis:** delivery ex-tank from Antwerp or Rotterdam for sale within Europe
- **Unit:** euros/metric tonne, with conversion into US dollars/metric tonne
- **Volume:** minimum 20t
- **Specification:** base oils which have Volkswagen Oil Quality Standard VW 504 00/507 00 certification
- **Timing:** delivered 1-30 days forward from date of assessment
- **Timestamp:** 4.30pm London time on Thursday

8cst fca NWE (a)

- **Basis:** delivery ex-tank from Antwerp or Rotterdam for sale within Europe
- **Unit:** euros/metric tonne, with conversion into US dollars/metric tonne
- **Volume:** minimum 20t
- **Specification:** base oils which have Volkswagen Oil Quality Standard VW 504 00/507 00 certification
- **Timing:** delivered 1-30 days forward from date of assessment
- **Timestamp:** 4.30pm London time on Thursday

**Group III (b)**

4cst fca NWE (b)

- **Basis:** delivery ex-tank from Antwerp or Rotterdam for sale within Europe
- **Unit:** euros/metric tonne, with conversion into US dollars/metric tonne
- **Volume:** minimum 20t
- **Specification:** base oils which do not have Volkswagen Oil Quality Standard VW 504 00/507 00 certification
- **Timing:** delivered 1-30 days forward from date of assessment
- **Timestamp:** 4.30pm London time on Thursday

6cst fca NWE (b)

- **Basis:** delivery ex-tank from Antwerp or Rotterdam for sale within Europe
- **Unit:** euros/metric tonne, with conversion into US dollars/metric tonne
- **Volume:** minimum 20t
- **Specification:** base oils which do not have Volkswagen Oil Quality Standard VW 504 00/507 00 certification
- **Timing:** delivered 1-30 days forward from date of assessment
- **Timestamp:** 4.30pm London time on Thursday

8cst fca NWE (b)

- **Basis:** delivery ex-tank from Antwerp or Rotterdam for sale within Europe
- **Unit:** euros/metric tonne, with conversion into US dollars/metric tonne
- **Volume:** minimum 20t
- **Specification:** base oils which do not have Volkswagen Oil Quality Standard VW 504 00/507 00 certification
- **Timing:** delivered 1-30 days forward from date of assessment
- **Timestamp:** 4.30pm London time on Thursday
Crude
The North Sea Dated crude oil price is an important indicator of the future direction of base oils prices in the region. A comparison of the crude price with the base oils price illustrates the effect of the past week’s change in price on the profitability of base oils relative to crude oil.

North Sea Dated
The North Sea Dated crude oil price as published in Argus Crude on the day corresponding with the base oils assessment.

Ice Brent front month
The Ice Brent front-month contract price as published in Argus Crude on the day corresponding with the base oil assessment.

Prices are published in US dollars/barrel.
See the Argus Crude methodology.

SN 500 premium to North Sea Dated
The premium is published in US dollars/barrel.
The price represents the premium of SN 500 fob European export over North Sea Dated.
The conversion factor used for SN 500 is 7.1 bl to a metric tonne.

Oil products
Argus includes the regional benchmark price of vacuum gasoil to show the price of a key feedstock for base oils and heating oil and the effect of the change in that price on the profitability of base oils and heating oil. Argus also includes the regional price of heating oil to show the profitability of that product relative to crude oil and to base oils.

Oil products prices are taken from Argus European Products on the day corresponding with the base oils assessment.

Oil products prices are published in US dollars/tonne.
See the Argus European Products methodology.

Heating oil 0.1% barge
German grade heating oil, fob Rotterdam

VGO 0.5% barge
Vacuum gasoil fob Rotterdam

VGO 2% barge
Vacuum gasoil fob Rotterdam

Fuel oil 3.5% barge
Fuel oil fob Rotterdam

Straight run M-100 fuel oil cargo
Russian straight-run M-100 fuel oil cif northwest Europe, standardised to Rotterdam

Ice gasoil front month
The Ice Brent front-month contract price as published in Argus European products on the day corresponding with the base oil assessment.

Oil product price premiums
The profitability of heating oil and SN 500 base oil by comparing their prices with each other and with feedstock vacuum gasoil.

Heating oil premium to crude
The premium of heating oil 0.1% barges to North Sea Dated crude oil.
Prices are published in US dollars/barrel.
The conversion rate for heating oil is 7.46 bl to a metric tonne.
The conversion rate for vacuum gasoil is 6.81 bl to a metric tonne.

Heating oil premium to VGO 2%
The premium of heating oil 0.1% barges over VGO 2% barges.
Prices are published in US dollars/barrel.
The conversion rate for heating oil is 7.46 bl to a metric tonne.
The conversion rate for vacuum gasoil is 6.81 bl to a metric tonne.

SN 500 premium to heating oil
The premium of SN 500 fob European export over heating oil 0.1% barges.
Prices are published in dollars/barrel.
The conversion rate for heating oil is 7.46 bl to a metric tonne.
The conversion rate for vacuum gasoil is 6.81 bl to a metric tonne.

SN 500 premium to VGO 2%
The premium of SN 500 fob European export over VGO 2% barges.
Prices are published in dollars/barrel.
The conversion rate for SN 500 is 7.1 bl to a metric tonne.
The conversion rate for vacuum gasoil is 6.81 bl to a metric tonne.

Russia and FSU

Group I

SN 150 fob Baltic Sea
Solvent neutral 150 (SN 150) base oil
Basis: cargoes originating from Russian and FSU producers on a fob Baltic Sea basis
The primary assessment points are fob Liepaja/Kaliningrad
Unit: US dollars/metric tonne
Timing: loading 15-30 days forward from date of assessment
Volume minimum: 1,000t
Timestamp: 4.30pm London time on Thursday

SN 500 fob Baltic Sea
Solvent neutral 500 (SN 500) base oil
Basis: cargoes originating from Russian and FSU producers on a fob Baltic Sea basis
The primary assessment points are fob Liepaja/Kaliningrad
SN 150 fob Black Sea
Solvent neutral 150 (SN 150) base oil
Basis: cargoes originating from Russian and FSU producers on a fob Black Sea basis
Unit: US dollars/metric tonne
Timing: loading 15-30 days forward from date of assessment
Volume minimum: 1,000t
Timestamp: 4.30pm London time on Thursday

SN 500 fob Black Sea
Solvent neutral 500 (SN 500) base oil
Basis: cargoes originating from Russian and FSU producers on a fob Black Sea basis
Unit: US dollars/metric tonne
Timing: loading 15-30 days forward from date of assessment
Volume minimum: 1,000t
Timestamp: 4.30pm London time on Thursday

Group III
4cst cpt Posin
Basis: exports on a cpt Posin basis
The primary assessment point is Posin (Russia-Latvia border)
Unit: US dollars/metric tonne
Timing: delivered 1-30 days forward from date of assessment
Volume minimum: 20t
Timestamp: 4.30pm London time on Thursday

Group III (b)
4cst fob Baltic netback
Basis: fob Baltic
Unit: US dollars/metric tonne
Calculated as the fca NWE group III 4cst (b) US dollars/metric tonne price assessment less import duties and freight costs for a 3,000t shipment from Riga to Rotterdam based on an Argus assessment of the time charter rate, the Argus assessment of gasoil bunker 0.1%S Rotterdam dob, port costs and a 2.5pc broker commission.
Timestamp: all netback components are the latest available at the time of publication
See the Argus Marine Fuels methodology for more on Argus bunker fuel price assessments and the Argus Nefte Transport methodology for more on the derivation of freight costs.

Arbitrage opportunities
The implied profit or loss, before freight and other costs, calculated as the difference between Argus price assessments. Each pair below is calculated as the second listed Argus price assessment less the first.

Group I
- SN 150 fob Baltic Sea-SN 150 ex-tank Singapore
- SN 500 fob Baltic Sea-SN 500 ex-tank Singapore
- SN 150 fob European export-SN 150 ex-tank Singapore
- SN 500 fob European export-SN 500 ex-tank Singapore
- SN 150 fob European export-SN 150 (LVI) cfr UAE
- SN 500 fob European export-SN 500 (LVI) cfr UAE
- SN 150 fob European export-SN 150 fob domestic US
- SN 500 fob European export-SN 500 fob domestic US
- SN 150 fob Black Sea-SN 150 (LVI) cfr India
- SN 500 fob Black Sea-SN 500 (LVI) cfr India
- SN 150 fob Baltic Sea-SN 150 fob domestic US
- SN 500 fob Baltic Sea-SN 500 fob domestic US
- SN 150 fob Baltic Sea-SN 500 fob domestic NWE
- SN 500 fob Baltic Sea-SN 500 fob domestic NWE

Group II
- N150 fob Asia-N150 fca ARA
- N500 fob Asia-N600 fca ARA
- N100 fob US export-N150 fca ARA
- N600 fob US export-N600 fca ARA

See the Argus Base Oils methodology for more information on Asia-Pacific base oils prices and the Argus Americas Base Oils methodology for more information on US base oils prices.