

## Institute for Interlaboratory Studies

Proficiency Test: Turbine Oil (used).

Report: iis23L05, May 2023

| Metodo           | Parametro                     | U.M.               | Mecoil          | Media<br>PT     | R<br>metodo |
|------------------|-------------------------------|--------------------|-----------------|-----------------|-------------|
| ASTM D8045       | Acidità                       | mg KOH/g           | <b>0.09</b>     | <b>0.10</b>     | 0.08        |
| ASTM D1500       | Colore                        |                    | <b>3.3</b>      | <b>3.3</b>      | 1.0         |
| ASTM D7042       | Densità a 15°C                | g/cm <sup>3</sup>  | <b>0.8627</b>   | <b>0.8630</b>   | 0.0018      |
| ASTM D92         | Flash Point Vaso Aperto       | °C                 | <b>224</b>      | <b>234</b>      | 18          |
| ASTM D7094       | Flash Point Vaso Chiuso       | °C                 | <b>215</b>      | <b>216</b>      | 6           |
| ASTM D7843       | Varnish Tendency MPC          | DeltaE             | <b>14</b>       | <b>13</b>       | 13          |
| ASTM D7042       | Viscosità a 40°C              | mm <sup>2</sup> /s | <b>44.5</b>     | <b>44.6</b>     | 0.6         |
| ASTM D7042       | Viscosità a 100°C             | mm <sup>2</sup> /s | <b>6.88</b>     | <b>6.91</b>     | 0.09        |
| ASTM D2270       | Indice di Viscosità           |                    | <b>111</b>      | <b>111</b>      | 2           |
| ASTM D2272(B)    | RPVOT                         | minuti             | <b>2164</b>     | <b>1837</b>     | 427         |
| ASTM D6304(B)-20 | Acqua                         | mg/kg              | <b>25</b>       | <b>28</b>       | 93          |
| ASTM D1401       | Demulsività: Emuls = 3ml      | minuti             | <b>19.5</b>     | <b>23.5</b>     | 20.0        |
| ASTM D1401       | Demulsività: Olio/Acqua/Emuls | ml                 | <b>41/36/3</b>  | <b>40/38/2</b>  |             |
| ASTM D7596       | Particelle >4 µm              | part/ml            | <b>11419</b>    | <b>30017</b>    | 33920       |
| ASTM D7596       | Particelle >6 µm              | part/ml            | <b>2096</b>     | <b>7009</b>     | 5327        |
| ASTM D7596       | Particelle >14 µm             | part/ml            | <b>150.9</b>    | <b>269.9</b>    | 364.4       |
| ASTM D7596       | ISO 4406                      |                    | <b>21/18/14</b> | <b>22/20/15</b> |             |

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