



DIAGNOSI MECCANICHE

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## Institute for Interlaboratory Studies

Proficiency Test: Turbine Oil (used).

Report: iis21L05, August 2021

Metodo	Parametro	U.M.	Mecoil	Media	R	z-target*
				PT	metodo	
ASTM D8045-17	Acidità	mg KOH/g	<b>0,16</b>	<b>0,16</b>	0,03	0,2
ASTM D1500-12(17)	Colore		<b>5,0</b>	<b>5,1</b>	1,0	-0,3
ASTM D7042-21	Densità a 15°C	g/cm <sup>3</sup>	<b>0,8732</b>	<b>0,8731</b>	0,0005	0,4
ASTM D92-18	Flash Point Vaso Aperto	°C	<b>230</b>	<b>234</b>	18	-0,7
ASTM D7094-17a	Flash Point Vaso Chiuso	°C	<b>223</b>	<b>219</b>	16	0,7
ASTM D7843-18	Varnish Tendency MPC	DeltaE	<b>15</b>	<b>15</b>	14	0,1
ASTM D7042-21	Viscosità a 40°C	mm <sup>2</sup> /s	<b>46,4</b>	<b>46,3</b>	0,4	0,7
ASTM D7042-21	Viscosità a 100°C	mm <sup>2</sup> /s	<b>6,93</b>	<b>6,91</b>	0,06	1,2
ASTM D2270-10(16)	Indice di Viscosità		<b>105</b>	<b>105</b>	2	0,3
ASTM D6304(C)-16	Acqua	mg/kg	<b>58</b>	<b>37</b>	148	0,4
ASTM D1401-18	Demulsività: Emuls = 3ml	minuti	<b>12,5</b>	<b>13,5</b>	20,0	-0,1
ASTM D7596-14	Particelle >4 µm	part/ml	<b>1558</b>	<b>4363</b>	4930	-1,6
ASTM D7596-14	Particelle >6 µm	part/ml	<b>400</b>	<b>502</b>	381	-0,8
ASTM D7596-14	Particelle >14 µm	part/ml	<b>15,5</b>	<b>22,5</b>	30,3	-0,6
ASTM D7596-14	ISO 4406		<b>18/16/11</b>	<b>19/16/11</b>		

Firenze, 1 Settembre 2021

Dott. Alessandro Paccagnini  
Responsabile Laboratorio  
Mecoil Diagnosi Meccaniche Srl

\* "As it was decided to evaluate the performance of the participants in this proficiency test against the literature requirements, e.g. ISO (ASTM) reproducibilities, the z-scores were calculated using a target standard deviation. This results in an evaluation independent of the variation in this interlaboratory study."

(da IIS report 21L05, para. 3.3)

"A z-score greater than 2 - or less than negative 2 - should cause a laboratory to review their test data for any possible systematic error. Z-scores outside this range should occur only about one time in twenty, if a laboratory has average capability running the method. Laboratories should strive to obtain z-score values close to zero."

(da ASTM ISDO1703 Report Introduction)