

## ASTM Committee D-2 Interlaboratory Crosscheck Program

In-Service Oil Monitoring - novembre 2016 (ISDO1611)

Metodo	Parametro	U.M.	Media		Dev.St. RRT	z-score*
			Mecoil	RRT		
ASTM D664	TAN	mg KOH/g	<b>2,1</b>	<b>2,6</b>	0,5	-1,0
ASTM D2896(B)	TBN	mg KOH/g	<b>8,6</b>	<b>9,0</b>	0,5	-0,8
ASTM D3828(B)	Flash Point	°C	<b>205</b>	<b>199</b>	9,3	0,6
FDM	Fuel dilution	mg/kg	<b>0,0</b>	<b>0,6</b>	0,6	0,0
ASTM D6595	Alluminio	mg/kg	<b>0,0</b>	<b>2,0</b>	1,1	-1,9
ASTM D6595	Argento	mg/kg	<b>0,0</b>	<b>0,0</b>	0,0	0,0
ASTM D6595	Bario	mg/kg	<b>0,0</b>	<b>0,0</b>	0,0	0,0
ASTM D6595	Boro	mg/kg	<b>45</b>	<b>59</b>	12,5	-1,2
ASTM D6595	Calcio	mg/kg	<b>2470</b>	<b>2166</b>	347,6	0,9
ASTM D6595	Cromo	mg/kg	<b>0,3</b>	<b>0,5</b>	0,4	-0,5
ASTM D6595	Ferro	mg/kg	<b>15</b>	<b>14</b>	2,3	0,4
ASTM D6595	Fosforo	mg/kg	<b>1150</b>	<b>1018</b>	168,7	0,8
ASTM D6595	Magnesio	mg/kg	<b>22</b>	<b>24</b>	4,2	-0,4
ASTM D6595	Manganese	mg/kg	<b>0,0</b>	<b>0,0</b>	0,0	0,0
ASTM D6595	Molibdeno	mg/kg	<b>3</b>	<b>4</b>	1,8	-0,6
ASTM D6595	Nichel	mg/kg	<b>0,0</b>	<b>0,0</b>	0,0	0,0
ASTM D6595	Piombo	mg/kg	<b>1,0</b>	<b>1,1</b>	1,1	-0,1
ASTM D6595	Potassio	mg/kg	<b>0,5</b>	<b>0,8</b>	0,5	-0,6
ASTM D6595	Rame	mg/kg	<b>1,6</b>	<b>1,7</b>	0,3	-0,2
ASTM D6595	Silicio	mg/kg	<b>3,3</b>	<b>3,7</b>	2,5	-0,2
ASTM D6595	Sodio	mg/kg	<b>8,4</b>	<b>8,8</b>	1,2	-0,3
ASTM D6595	Stagno	mg/kg	<b>0,0</b>	<b>0,0</b>	0,0	0,0
ASTM D6595	Titanio	mg/kg	<b>0,0</b>	<b>0,0</b>	0,0	0,0
ASTM D6595	Vanadio	mg/kg	<b>0,0</b>	<b>0,1</b>	0,2	0,0
ASTM D6595	Zinco	mg/kg	<b>1300</b>	<b>1187</b>	106,8	1,1
FTIR D7624	Nitrazione	Abs/0.1mm	<b>5,0</b>	<b>5,4</b>	2,7	-0,2
FTIR D7414	Ossidazione	Abs/0.1mm	<b>14,0</b>	<b>11,5</b>	6,3	0,4
FTIR D7415	Solfatazione	Abs/0.1mm	<b>12,0</b>	<b>11,2</b>	9,2	0,1
FTIR	Soot	% peso	<b>0,5</b>	<b>0,8</b>	1,1	-0,3
FTIR D7412	Antiusura	% peso	<b>16,6</b>	<b>19,7</b>	2,0	-1,5
ASTM D445	Visc. 100°C	cSt	<b>14,2</b>	<b>14,2</b>	0,1	0,0
ASTM D445	Visc. 40°C	cSt	<b>103,9</b>	<b>103,3</b>	0,5	1,3
ASTM D7042	Visc. 100°C	cSt	<b>14,2</b>	<b>14,2</b>	0,0	1,2
ASTM D7042	Visc. 40°C	cSt	<b>103,9</b>	<b>103,2</b>	0,5	1,4
ASTM D6304(C)	Acqua, KF	mg/kg	<b>79</b>	<b>157,6</b>	86,1	-0,9

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\* "The z-score column reports each lab's deviation in units of standard deviations. The z-score is the ratio of the deviation to the standard deviation. 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 ISDO1611 Report Introduction).