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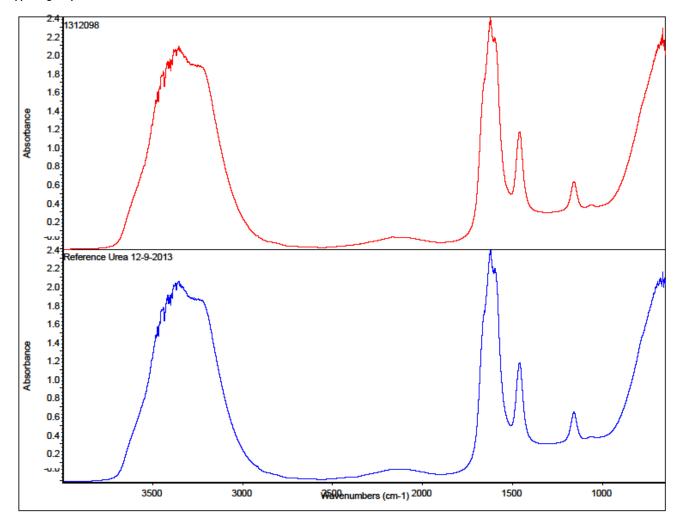
Ray Pedersen DEF Products LLC Tracking # 311262013 Contact: Sample ID Tracking # 311262013 Company: Batch # 422 E Barioni Blvd Address: Date sampled Date Received 12/9/2013 Imperial, 92251 92251 City, ST, Zip Date Promised 12/10/2013 Raymond14@gmail.com, E-Mail Amalgatech ID 1312098 sharonstegmuller@gmail.com Phone / Fax 760 355-7997 / 0 Report Date 12/10/2013

Diesel Exhaust Fluid per ISO 22241*1

Characteristics	Unit	Test Methods	Limits		Acceptance Range ²		Describe
			min.	max.	min.	max.	Results
Urea content	% (m/m)	ISO 22241-2 Annex A ISO 22241-2 Annex B	31.8	33.2	30.8	34.2	32.3
Density at 20°C	kg/m ³	ISO 3675 or ISO 12185	1087.0	1093.0	1086.5	1093.5	1089.0
Refractive index at 20°C		ISO 22241-2 Annex C	1.3814	1.3843	1.3804	1.3853	1.3824
Alkalinity as NH ₃	%m/m	ISO 22241-2 Annex D		0.2		0.24	0.00
Biuret	%m/m	ISO 22241-2 Annex E		0.3		0.34	0.06
Aldehydes	mg/kg	ISO 22241-2 Annex F		5.0		7.4	1.2
Insoluble matter	mg/kg	ISO 22241-2 Annex G		20		27.6	1.56
Phosphate (PO ₄)	mg/kg	ISO 22241-2 Annex H		0.5		0.53	0.25
Calcium	mg/kg	ISO 22241-2 Annex I		0.5		0.55	0.25
Iron	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.01
Copper	mg/kg	ISO 22241-2 Annex I		0.2		0.24	0.00
Zinc	mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00
Chromium	mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00
Nickel	mg/kg	ISO 22241-2 Annex I		0.2		0.26	0.00
Aluminum	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.00
Magnesium	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.03
Sodium	mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.00
Potassium	mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.00
Identity		ISO 22241-2 Annex J	Identical to reference		Identical to reference		Identical to reference
Comments by Amalgatech:							

² Acceptance Range = Limit adjusted for reproducibility per Annex B

Supporting Graph:



Important note: Amalgatech is accredited by A2LA to ISO/IEC 17025:2005 (CHEMICAL TESTING, Cert 2168.01). Amalgatech receives samples that are identified by the customer/sender and takes these identifications in good faith, reporting data to the customer using the customer's identification. Our laboratory services are not intended for marketing and are not product certifications. We are accredited to perform most ASTM coolant tests. Any test performed for which Amalgatech is not accredited is identified with an asterisk (*). This report is © Amalgatech division, Amalgamated Laboratories, Inc. 2011. It may not be reproduced, altered, copied or disseminated except in whole. Use of the report is permitted, including copying, as long as the entire report, including this information section, is always provided in its entirety.

NOTE ¹ Amalgatech has performed the test in accordance with the revision of the standard in place at the time the test was performed. Amalgatech uses only active standards.

Respectfully submitted,

AMALGATECH DIVISION AMALGAMATED LABORATORIES, INC.

Ed Eaton Chief Engineer