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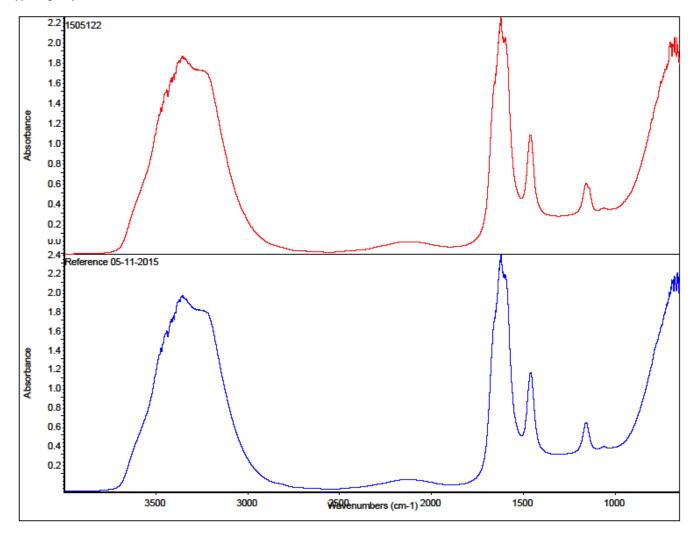
Ray Pedersen DEF Products 32.5 DEF 305042015 32.5 DEF 305042015 Contact: Sample ID Company: Batch # Address: 422 East Barioni Drive Date sampled 5/11/2015 Date Received 5/12/2015 Imperial, 92251 92251 City, ST, Zip Date Promised 5/17/2015 defproducts@gmail.com Amalgatech ID E-Mail 1505122 Phone / Fax 760427-4479 / Report Date 5/13/2015

Diesel Exhaust Fluid per ISO 222411

Characteristics	Unit	Test Methods	Limits		Acceptance Range ²		Permite
			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	31.9
Density at 20°C	kg/m³	ISO 3675 or ISO 12185	1087.0	1093.0	1086.5	1093.5	1088.4
Refractive index at 20°C		ISO 22241-2 Annex C	1.3814	1.3843	1.3804	1.3853	1.3821
Alkalinity as NH₃	%m/m	ISO 22241-2 Annex D		0.2		0.24	0.01
Biuret	%m/m	ISO 22241-2 Annex E		0.3		0.34	0.159
Aldehydes	mg/kg	ISO 22241-2 Annex F		5.0		7.4	2.3
Insoluble matter	mg/kg	ISO 22241-2 Annex G		20		27.6	10.31
Phosphate (PO ₄)	mg/kg	ISO 22241-2 Annex H		0.5		0.53	0.09
Calcium	mg/kg	ISO 22241-2 Annex I		0.5		0.55	0.28
Iron	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.03
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	0.03
Magnesium	mg/kg	ISO 22241-2 Annex I		0.5		0.65	0.04
Sodium	mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.12
Potassium	mg/kg	ISO 22241-2 Annex I		0.5		0.75	0.17
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:



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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