



Veeder-Root Company
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Laura S. Fisher, Chief
UST Leak Prevention Unit
State Water Resources Control Board
1001 I Street, PO Box 2231
Sacramento, CA 95812

Thursday, July 09, 2009

Dear Laura,

Please see the attached results from the evaluation of Veeder-Root's leak detection and tank monitoring equipment to determine functional compatibility for use in BioDiesel and Ethanol blended fuels.

Please feel free to contact me if you have any questions,

Sincerely,

A handwritten signature in black ink, appearing to read "K. Reid".

Kent Reid
Vice President Strategic Development

Leak Detection Equipment Functional Compatibility Claims and Validation

Veeder-Root (Subsidiary Companies)

Type Equipment	Equipment Name	Functional Compatibility Claim			Validation Method (U.L. Listed, Independent Testing, Internal Testing, Engineering Analysis, Unsubstantiated Manufacturer Claim)	Comments
		Ethanol (%)		Biodiesel (%)		
		W/Water Detection	W/Out Water Detection			
Control Engineers Products						
Not Active						
Marconi Commerce Systems Products (formerly Gilbarco)						
Not Active						
Marley Pump Co. Products						
Mechanical Line Leak Detector	Red Jacket DLD and XLD					
Mechanical Line Leak Detector	Red Jacket FX1 and FX2					
Mechanical Line Leak Detector	Red Jacket FX1D, FX2D	N/A	Up to 100%		U.L. Listed	EUQT – Dispensing Device Accessories, Miscellaneous (Certification #: MH8536)
Mechanical Line Leak Detector	FX1DV, FX2DV					
Mechanical Line Leak Detector	Red Jacket XLP					

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		Ethanol (%)		Biodiesel (%)		
		W/Water Detection	W/Out Water Detection			
Veeder-Root Co.						
Magnetostrictive Probe (ATGS)	Series 8463 – Mag Plus	15% ¹	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Magnetostrictive Probe (ATGS)	Series 8473 – Standard Mag	15% ¹	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Continuous Interstitial Tank System (Pressure/Vacuum)	857280-100, 200, 30x, or assembly 332175-001 (Vacuum Sensors)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Electronic Line Leak Detector	Series 8475 (volumetric)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Electronic Line Leak Detector	Series 8484 (pressure)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Electronic Line Leak Detector	Series 8494 (wireless)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Groundwater Monitoring	Series 794380-621, 622, 624	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment

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		Ethanol (%)		Biodiesel (%)		
		W/Water Detection	W/Out Water Detection			
Interstitial Detector	Series 794390-401, 404, 407, 409 (for fiberglass tanks) - Series 794390-420, 460 (for steel tanks) - Series 7943800-206 (for sumps)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Vapor Monitoring	- 794390-700	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-341 (Int. Sens) - 794380-320 (Dispenser Pan Sensor) - 794380-350 (Discrim. Cont. Sump Sensor) - 794380-360, 361, 362 (Discrim. Fiber Trench Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-322 (Discrim. Disp. Pan Sensor) - 794380-352 (Discrim. Cont. Sump Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-321 (Non-Discrim. Disp. Pan Sensor) - 794380-351 (Non-Discrim. Cont. Sump Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment

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		Ethanol (%)		Biodiesel (%)		
		W/Water Detection	W/Out Water Detection			
Interstitial Detector (Liquid-phase)	- 847990-001 (Disp. Pan Sensor) - 847990-002 (Differentiating Disp. Pan Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-301 (Single Stage Hydrostatic Sensor) - 794380-302, 303 (Dual Stage Hydrostatic Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-208 and 794380-209 (Piping Sump Sensor) - 794380-340 (Micro-Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-343 (Discrim. Int. Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-344 (Micro-Sensor)	N/A	85% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	- 794380-323 (Position Sensitive Sensor)	N/A	85% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment

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		Ethanol (%)		Biodiesel (%)		
		W/Water Detection	W/Out Water Detection			
Interstitial Detector (Liquid-phase)	- Series 857060-xxx and 857080-xxx - (Magnetostrictive Sump Sensor)	15% ¹	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	794380-304 (Single Point Mini Hydrostatic Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	794380-340 (Float Sensor)	N/A	15% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment
Interstitial Detector (Liquid-phase)	794380-345, 430 (Interstitial Sensor)	N/A	85% ¹	20% ²	1) UL Listed in File No. MH11766 2) Engineering Analysis	EQXX – Control Monitoring & Auxiliary Equipment

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