

**Veeder-Root**

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To: Veeder-Root ATG customers  
 From: Jeff Kappler, ATG Product Manager  
 Date: October 7<sup>th</sup>, 2013  
 Re: Biodiesel compatibility

The products listed in the table below are compatible with the alternative fuels as shown. TLS-450/350/300/2 tank gauge systems can be combined with any of these products to monitor the alternative fuels listed.

Equipment Type	Series or P/N	ASTM D6751 Biodiesel	Ethanol	Methanol
Magnetostrictive Probes (Aluminum)	Series 8463x0, 8473x0	0-20%	0-15%	0-7%
Magnetostrictive Probes (Stainless Steel)	Series 8463x1, 8473x1	0-100%	0-100%	0-100%
Continuous Interstitial Tank System	P/N 857280-100, -200, -30x	0-20%	0-15%	0-5%
Electronic Line Leak Detector	Series 8475, 8484, 8494	0-20%	0-15%	0-5%
Groundwater Monitoring	P/N 794380-621, -622, -624	0-20%	0-15%	0-5%
Interstitial Detectors	P/N 794380-xxx P/N 794390-xxx P/N 847990-001, -002 P/N 857060-xxx P/N 857080-xxx	0-20%	0-15%	0-5%
Vapor Monitoring	P/N 394390-700	0-20%	0-15%	0-5%
Red Jacket Submersible Turbine Pump (non-AG)	P/N 41014x-xxx	0-20%	0-10%	0-10%
Red Jacket Submersible Turbine Pump (AG)	P/N 41014x-xxx	0-100%	0-100%	0-100%
Red Jacket FX Leak Detector	FXV series	0-20%	0-15%	0-20%

Jeff Kappler  
 ATG Product Manager

**From:** Veeder-Root Technical Support Emails <[technicalsupport@veeder.com](mailto:technicalsupport@veeder.com)>  
**Sent:** Monday, October 29, 2018 10:34 AM  
**To:** Rob Marik <[RMarik@ansdistributing.com](mailto:RMarik@ansdistributing.com)>  
**Subject:** RE: Sensors / Pilot 1163 / Emlenton, PA

Rob:

We should be ok. This depends on the specific gravity of the B-100 you are using.  
See our statement below-

### **Veeder-Root Position Statement on Biodiesel**

Biodiesel is becoming more common as a fuel product, and we have had a number of requests for compatibility information relating to our Mag probes. This letter outlines our current position on use of the Mag probe in biodiesel fuel blends.

#### **Compatibility:**

At this point in time we have evaluated several different blends of soybean-oil based biodiesel, and have not observed any material compatibility issues with our Mag probes or floats. As a result, we have approved use of the Mag probe in biodiesel fuel blends derived from soybean oil. However, at this time we cannot approve biodiesel blends derived from other substances. We will be happy to evaluate biodiesel blends based on other materials to determine if they are compatible. A sample of at least 1 quart of the biodiesel blend is required for our testing.

#### **Water Detection:**

The Mag probe is capable of water detection in biodiesel blends. However, the water float typically used for diesel fuels will not function properly in all biodiesel blends because they tend to have a higher density. Biodiesel fuel samples that we have measured have a specific gravity of approximately 0.88, which is slightly higher than that of straight diesel fuel. As a result, we recommend that the user determine the specific gravity of the biodiesel before installing a Mag probe with a water float. The following guidelines should be used:

For a specific gravity of 0.80 to 0.86, use a "Diesel" float kit.

For a specific gravity greater than 0.86 up to 0.90, use a "Light Oil" float kit.

So the float you asked about, the -012 is a light oil float kit.

Gary

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**Table C-4 (cont.). Underground Equipment**

<b>Company</b>	<b>Product</b>	<b>Model</b>	<b>Biodiesel Compatibility</b>
OPW	Vapor adaptor	1611AV, 1611AVB	B20
OPW	Vapor cap	1711T-7085-EVR, 1711LPC	B20
OPW	Vapor-swivel adaptor	61VSA-MA, 61VSA-1020-EVR	B20
Veeder-Root	Ground water monitoring	P/N 794380-621, 794380-622, 794380-624	B20
Veeder-Root	Interstitial and secondary containment monitoring	P/N 794380-XXX, 794390-XXX, 847990-00X, 857080-XXX, P/N 794380-321, 794380-323, 794380-333, 794380-344, 794380-345, 794380-351, 794380-430	B20
Veeder-Root	Continuous interstitial tank system	P/N 857280-100, 857280-200, 857280-30X	B100
Veeder-Root	Electronic line leak detector	Series 8484, 8590	B100
Veeder-Root	Interstitial and secondary containment monitoring	794380-344, 794380-345, 794380-321, 794380-351	B100
Veeder-Root	Magnetostrictive Probe	Mag Plus Series 8463XX, Mag Series 8473XX	B100
Veeder-Root	Red Jacket Maxxum Pump	410763-XXX (MXP300JX-XXX or MXP500JX-XXX)	B100
Veeder-Root	Tall tank probe	Mag-FLEX 889560-XXX, MAGXL-XXX	B100
Veeder-Root	Vapor monitoring	P/N 394390-700	B20
Western Fiberglass	Co-flex piping	all	B100
Western Fiberglass	Co-flow hydrostatic monitoring systems	all	B100
Western Fiberglass	Cuff fittings	all	B100
Western Fiberglass	Sumps (dispenser, tank, transition, vapor, vent)	all	B100