



FLUID CONDITION ASSESSMENT AT A GLANCE.



OilSafe's Fluid Analysis System gives you all the knowledge you need about your industrial fluids without leaks, cracks and wear. Condition assessment is essential to every Condition Based Maintenance Program for critical industrial assets. This unique system allows for quick and easy condition assessment of your equipment's vital fluids to help ensure cleanliness, reducing downtime and maintenance costs. The easy-to-install and access sight glass gives greater insight into the status of fluids and helps you respond before major issues arise.

The design offers a flat front sight glass with etched and painted crosshairs, allowing you a clear view of your fluids without distortion.

Ideal for:

Gearboxes

Sumps

Reservoirs

Low Pressure Systems

FLUID ANALYSIS SYSTEM & SIGHT GLASS

OilSafe's Fluid Analysis Systems and Sight Glasses withstand harsh environments, including extreme temperatures and a variety of industrial fluids. They are UV-resistant to protect against long-term sun exposure.

The sight glass is up to four times stronger than other acrylic sight glasses; it is shatterproof, stain-proof and chemically resistant.

- Recommended Temperature: -40°F to 200°F (-40°C to 93°C)

Other fluid analysis system features include:

- Built-in oil sampling port
- Access point for quick sampling and hand-held instrument tests
- Corrosion indicator
- Easy to remove and view magnetic plug
- Nut allows for easy glass rotation or removal

If the full system is not desired, individual sight glasses are available in various sizes.



	Other		OilSafe	
	Columnar Level Gauge	Window Sight Glass Level Gauge	Sight Glass	Fluid Analysis System
Accurate oil level detection	X	X	X	X
View oil level from multiple angles			X	X
Vent NOT required (risk of plugging and contamination ingress)		X	X	X
Ability to easily view oil color (wrong oil, oil oxidation, etc.)	X		X	X
Ability to detect oil surface foam and entrained air			X	X
Ability to detect emulsified water contamination by visual method	X		X	X
Includes a magnetic plug for easy, visual wear debris inspection				X
Includes convenient access to the magnet for cleaning and collection of particles for microscopic wear particle analysis				X
Includes a trap for convenient collection and inspection of non-magnetic sediment and sludge				X
Includes a live-zone oil sampling valve				X
Includes a corrosion indicator for quick confirmation of corrosion suppression of oil wet machine surfaces				X
Includes a corrosion indicator for quick confirmation of corrosion suppression of NON-oil wet machine surfaces				X
Includes a corrosion indicator for quick detection of varnish deposits				X
Access port to enable easy syringe samples for simple field tests (blotter, surface tension, crackle test, etc.)				X
Access port for portable instrument probe inspections (water contamination, dielectric constant, viscosity, etc.)				X
Quick-release of inspection bowl for easy cleaning				X

Fluid Analysis System Specifications:

- Dimensions: - 2.75" x 3.18" x 3.5" (w x h x l)
- Large Tritan™ sight glass with 1.4" diameter x 1.25" deep viewing area
- Aluminum body
- Steel Adapter
- Standard flow sampling valve with stainless steel pilot tube
- Magnetic plug
- M16 x 2 sample port threads for attaching to vacuum pump and sample bottle
- Steel corrosion indicator
- Viton® o-ring

Fluid Analysis Systems

Part #'s	Threads
830150	1 1/2" NPT
830125	1 1/4" NPT
830100	1" NPT
830075	3/4" NPT
830050	1/2" NPT
830100B	1" BSPP
830075B	3/4" BSPP
830050B	1/2" BSPP
830150M	M20 x 1.5

Sight Glasses

Part #'s	Size	Dia.	Lg.	Vol.
466520	1" NPT	Male	1 5/16"	1.18 .248 fl. oz.
466515	3/4" NPT	Male	1 1/8"	1.00 .148 fl. oz.
466505	1/2" NPT	Male	7/8"	.98 .063 fl. oz.
466510	3/8" NPT	Male	3/4"	.63 .054 fl. oz.
466500	1/4" NPT	Male	5/8"	.46 .022 fl. oz.
466590	1" BSPP	Male	1 5/16"	1.18 .248 fl. oz.
466560	3/4" BSPP	Male	1 1/8"	1.00 .148 fl. oz.
466565	1/2" BSPP	Male	7/8"	.98 .063 fl. oz.
466555	3/8" BSPP	Male	3/4"	.63 .054 fl. oz.
466550	1/4" BSPP	Male	5/8"	.46 .022 fl. oz.
466545	M22 x 1.5	Threads	7/16"	.32 .59 .004 fl. oz.
466540	M20 x 1.5	Threads	7/16"	.32 .59 .004 fl. oz.
466535	M12 x 1.5	Threads	7/16"	.96 .96 .004 fl. oz.
466570	M10 x 1	Threads	7/8"	.96 .96 .061 fl. oz.

Viton® o-ring included with BSPP & Metric size sight glasses only.

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