



# ***FLUID CONDITION ASSESSMENT AT A GLANCE.***

## **inTelliPort™**

OilSafe's inTelliPort 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.

InTelliPort's 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***

## CONDITION MONITORING FLUID ANALYSIS SYSTEM

InTelliPort withstands harsh environments, including extreme temperatures and a variety of industrial fluids.

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

Other 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.



	Columnar Level Gauge	Window Sight Glass Level Gauge	3D Sight Glass Level Gauge	InTelliPort
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

### System Specifications:

- 2 3/4" x 3 3/16" x 3 1/2" (w x h x l)
- Large co-polyester sight glass with 1.4" diameter x 1.25" deep viewing area
- Aluminum body
- Stainless steel pilot tube
- Rare earth magnetic plug
- M16 x 2 sample port threads for attaching to vacuum pump and sample bottle
- Viton® O-ring

### Available in These Sizes:

Fluid Analysis Systems			Sight Glasses	
1 1/2"	NPT	Threads	1"	NPT Male
1 1/4"	NPT	Threads	3/4"	NPT Male
1"	NPT	Threads	1/2"	NPT Male
3/4"	NPT	Threads	3/8"	NPT Male
1/2"	NPT	Threads	1/4"	NPT Male
1"	BSPP	Threads	1"	BSPP Male
3/4"	BSPP	Threads	3/4"	BSPP Male
1/2"	BSPP	Threads	1/2"	BSPP Male
M20 x 1.5	Threads		3/8"	BSPP Male
			1/4"	BSPP Male
			M22 x 1.5	Threads
			M20 x 1.5	Threads
			M16 x 1.5	Threads
			M12 x 1.5	Threads
			M10 x 1	Threads

oilsafe.com

800.699.6318

+1.972.771.1000

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