



- ### FEATURES
- Cost effective subscription service
 - Secure cloud based solution requiring minimal internal support
 - Upload historical data
 - User maintainable to add assets and test data using smart forms
 - Track and manage change in real time
 - Range of charting and data review options
 - User downloadable data

The OilWatch600L cloud-based database provides users with a cost effective and easily deployed solution to manage transformer oil test results across the asset fleet. Its use overcomes the limitations of paper-based lab reports as lab results, history and asset status is available on demand. Clear and intuitive interfaces enable users to log, track and analyse laboratory oil test results against selectable standards. Coupled with the provision of graphical and tabled data comparisons, the status and out of specification conditions can be quickly identified, shared and communicated for further review and management.

IEC 90% Typical Gas Concentrations														
Sample Date	Hydrogen (H2) ppm	Oxygen (O2) ppm	Nitrogen (N2) ppm	Methane (CH4) ppm	Carbon Mon. (CO) ppm	Carbon Diox. (CO2) ppm	Ethylene (C2H4) ppm	Ethane (C2H6) ppm	Acetylene (C2H2) ppm	Total Gases (TDG) ppm	Tot. Combust. (TDCG) ppm	Moisture ppm	Di-electric kV	Acidity mg KOH/g oil
IEC 90% Range (limit)	50-150	<10	<10	20-130	400-600	3000-14000	60-200	20-50	60-200					
2013-08-09	71	1800	53000	56	930	4800	31	48	<DL	60436	636	63	26	0.23
2015-01-30	140	22000	86000	21	290	3100	<DL	7	<DL	81758	658	26	<DL	<DL
2016-01-21	170	<DL	55000	130	730	9900	48	130	<DL	62108	1208	47	29	0.24
2017-01-12	1400	880	42000	170	830	16000	63	170	<DL	61603	2723	75	24	0.26
2018-02-13	<DL	11000	58000	12	250	4300	19	9	<DL	73590	290	48	25	0.04

IEC Analysis Ratios				
Sample Date	C2H2/C2H4	CH4/N2	C2H4/C2H6	C2H4/C2H2
IEC PD:	<0.1	0.2		
IEC D1:	>1.0	0.1-0.5	>1.0	
IEC D2:	0.8-2.0	0.1-0.5	>2.0	
IEC T1:		>1.0	<1.0	
IEC T2:	0.1	>1.0	1.4-4.0	
IEC T3:	<0.2	>1.0	>4.0	
2013-08-09	<DL	0.79	0.65	
2015-01-30	<DL	0.06	<DL	
2016-01-21	<DL	0.76	0.37	
2017-01-12	<DL	0.12	0.31	
2018-02-13	<DL	<DL	2.11	

Duvall's Percentages			
Sample Date	% CH4	% C2H2	% C2H4
PD:	>98%		
D1:	>13%	<23%	
D2:	13-20%	23-35%	
T1:	<4%	<20%	
T2:	<4%	20-50%	
T3:	>15%	>50%	
D1:	100%	100%	
2013-08-09	64%	<DL	36%
2015-01-30	100%	<DL	<DL
2016-01-21	73%	<DL	27%
2017-01-12	78%	<DL	24%
2018-02-13	39%	<DL	61%

- ### Standards Covered
- IEC60599
 - IEC 90% Concentrations
 - IEC Analysis Ratios
 - Duvall's Percentages
 - Duvall's Triangle
 - IEEE C57.104
 - IEEE Key Gas Concentrations
 - IEEE Relative Ratios and Fault Analysis
 - Rogers Analysis Ratios
 - Doernenburg Individual Limits
 - Doernenburg Analysis Ratios

Data presented in table format with parameters outside of range automatically highlighted