

Sample Oil Report

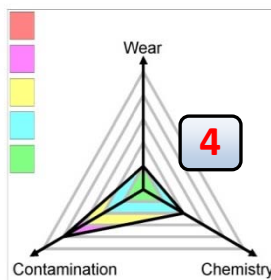
| | | |
|-----------------------------------|----------|--|
| Database: OIL CHECK.rbm | 1 | Equipment: ET-C251B - AVON B GAS GENERATOR |
| Are: A. SMITH GENERATOR SUPPLIERS | | Point: P1 - TURBINE |

| | | | | | |
|--------------------|---------------------------------------|------------|------------|------------|------------|
| Ref Oil | Castrol - TURBINE OILS - PERFECTO GT3 | | | | |
| Sample Date | 05/08/2008 | 02/06/2008 | 13/05/2008 | 06/04/2008 | 03/03/2008 |
| Sample # | 1297514 | 1292603 | 1291703 | 1289703 | 1287110 |
| Unit Usage - Hours | 2909 | 2609 | 2309 | 2109 | 1809 |
| Oil Usage - Hours | 300 | 300 | 300 | 300 | 300 |
| Oil Added - Litres | | 5 | | | |

| | | | | | |
|----------------|------|------|------|------|------|
| Wear | 0 | 0 | 0 | 0 | 10 |
| Copper - ppm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Iron - ppm | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Lead - ppm | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 |
| Chromium - ppm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nickel - ppm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Aluminum - ppm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tin - ppm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FW Idx - Idx | 7 | 7 | 6 | 7 | 9 |
| Titanium - ppm | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

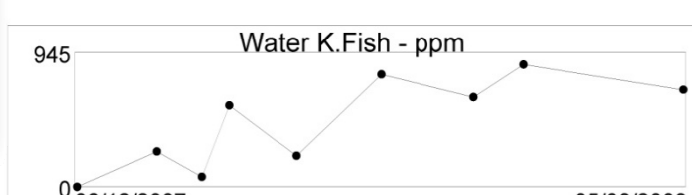
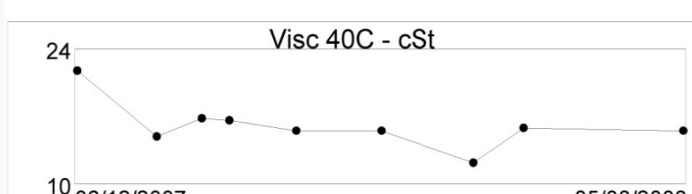
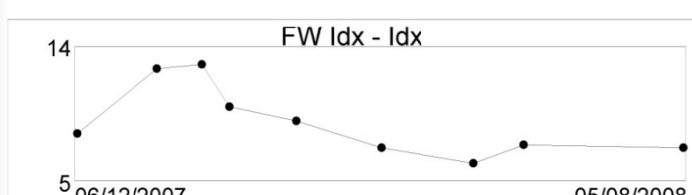
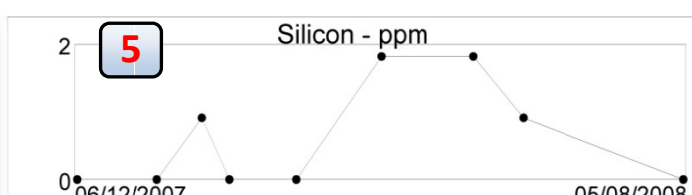
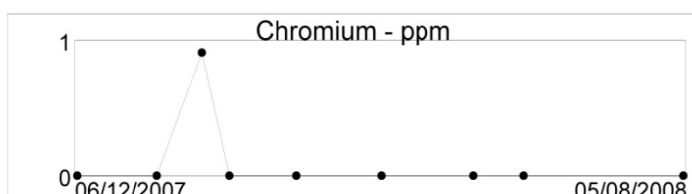
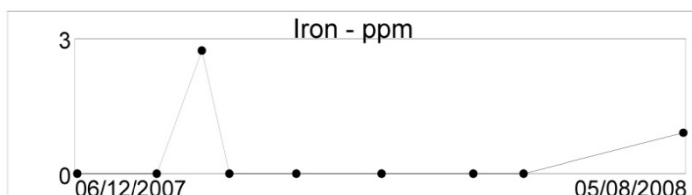
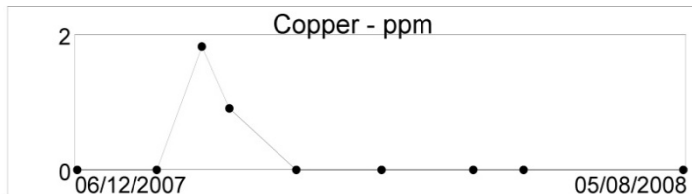
| | | | | | |
|--------------------|--------|-------|--------|-------|-------|
| Contamination | 55 | 10 | 30 | 30 | 10 |
| Boron - ppm | 3.00 | 0.00 | 1.00 | 3.00 | 0.00 |
| Silicon - ppm | 0.00 | 1.00 | 2.00 | 2.00 | 0.00 |
| Sodium - ppm | 5.00 | 6.00 | 5.00 | 6.00 | 2.00 |
| Water K.Fish - ppm | 681.0 | 859.0 | 629.0 | 790.0 | 218.0 |
| ISO >2 - n/a | 22 | 17 | 22 | 16 | 18 |
| ISO >5 - n/a | 21 | 15 | 20 | 14 | 15 |
| ISO >15 - n/a | 19 | 12 | 17 | 11 | 12 |
| Cnts >2 - pml | 35,716 | 879 | 27,299 | 620 | 1,564 |
| Cnts >5 - pml | 17,903 | 201 | 9,539 | 120 | 302 |
| Cnts >15 - pml | 2,780 | 26 | 1,275 | 17 | 35 |
| Cnts >25 - pml | 582 | 5 | 272 | 4 | 8 |
| Cnts >30 - pml | 291 | 3 | 156 | 3 | 5 |
| Cnts >50 - pml | 40 | 1 | 29 | 1 | 2 |
| Cnts >75 - pml | 8.0 | 0.0 | 6.0 | 0.0 | 0.0 |
| Cnts >100 - pml | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 |

| | | | | | |
|------------------|--------|----------|----------|--------|--------|
| Chemistry | 10 | 0 | 0 | 0 | 10 |
| Molybdenum - ppm | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Visc 40C - cSt | 15.8 | 16.1 | 12.5 | 15.8 | 15.8 |
| Phosphorus - ppm | 789.00 | 1,075.00 | 1,239.00 | 909.00 | 548.00 |
| Calcium - ppm | 3.00 | 1.00 | 2.00 | 0.00 | 1.00 |
| Magnesium - ppm | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 |
| Zinc - ppm | 6.00 | 6.00 | 5.00 | 4.00 | 2.00 |
| Total Acid - koh | .61 | .40 | .39 | .49 | .49 |
| Sulfur - ? | | | | | |



**A. SMITH
GENERATOR SUPPLIERS**

Mr A. Smith,
A. Smith Generator Suppliers,
Street,
Town,
County,
Postcode



KEY

1 Identification and equipment.

2 Unit/oil usage and reference oil.

3 Results tables: These tables show current and historical data. Each category and element is alarm colour-coded.

4 Trivector: This is an at-a-glance interpretation of the whole report.
 1) Wear.
 2) Contamination.
 3) Oil Condition/chemistry.
 All or one branch can show the alarm status for that category. This particular report shows high levels of particulate contamination.

5 Trend graphs: Elemental plots showing trends and historical data.

6 Comments and recommendations box: Comments for the current sample based on experience of similar equipment and built-in alarm limits specific to individual assets.

THE WEAR RATE IS STABLE. THE OIL IS LIGHT AMBER. WATER IS FAIRLY HIGH BUT STABLE. CHECK WATER REMOVAL/ENTRY MECHANISM TO REMOVE THE WATER. THE OIL HAS COUNTED DIRTY. CHECK FILTRATION IF APPLICABLE AND WE WILL OBSERVE THE NEXT SAMPLE BEFORE FURTHER COMMENT. RESAMPLE AS NORMAL.

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