



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

| |
|--------|
| NORMAL |
| NORMAL |
| NORMAL |

LEXUS RX350 - Front Gasoline Engine

Unit Make : LUXUS (2015)

Unit Model : RX350

Comp Make : {n/a}

Comp Model : {n/a}

Serial No : 2T2BK1BA1FC325636

Cust. Ref No. : {n/a}

Stub No. : WC-956989

Date Rec'd : Jun 14, 2017

Sample Date : Jun 11, 2017

Diagnostician : Kevin Marson

RECOMMENDATION

Resample at the next service interval to monitor.

| Sample Date | 11/17/15 | 07/05/16 | 10/31/16 | Current | UOM |
|---------------|----------|----------|----------|---------|-----|
| Time on Unit | 7351 | 13565 | 20660 | 34941 | kms |
| Time on Oil | 7351 | 6214 | 7095 | 14281 | kms |
| Time on Fltr | 7351 | 6214 | 7095 | 14281 | kms |
| Oil Maint. | changed | changed | changed | changed | --- |
| Filter Maint. | changed | changed | changed | changed | --- |

CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/17/15 | 07/05/16 | 10/31/16 | Current | Abn |
|---------------|----------|----------|----------|---------|------|
| Silicon | 280 | 76 | 34 | 35 | 30 |
| Potassium | 3.4 | 0.5 | 0.0 | 0.0 | 20 |
| Sodium | 6.5 | 4.2 | 4.8 | 5.3 | 80 |
| Fuel (%) | <2.0 | 0.0 | <2.0 | <2.0 | 4.0 |
| Glycol | --- | --- | --- | --- | 0.06 |
| Water (%) | <0.1 | <0.1 | <0.1 | <0.1 | 0.2 |
| Soot (%) | 0 | 0 | 0 | 0 | --- |
| Sulfation (%) | 65 | 121 | 136 | 149 | 100 |
| Nitration (%) | 44 | 57 | 54 | 75 | 100 |

OIL CONDITION

Oil Type: 6.1 LTR of AMSOIL 5W20

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

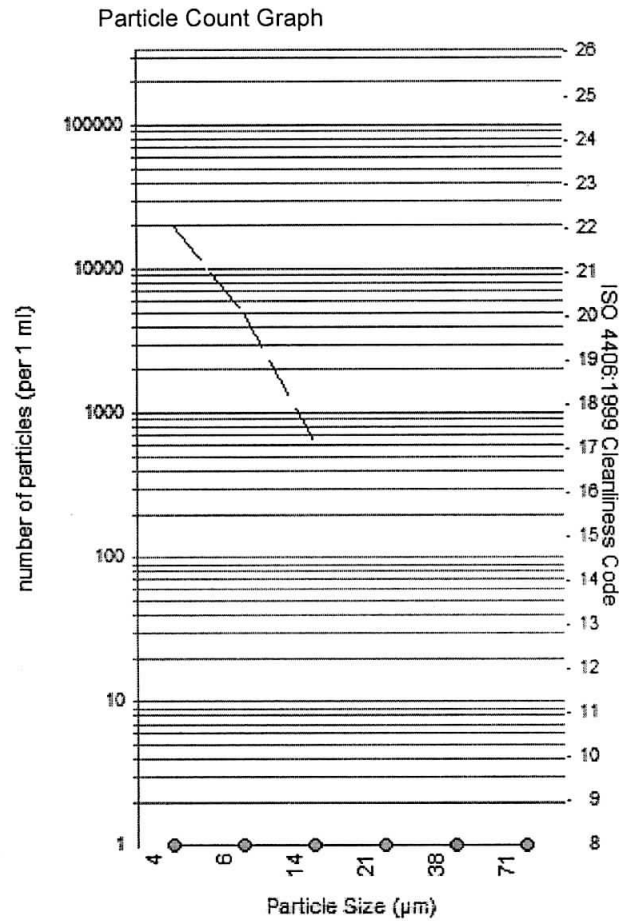
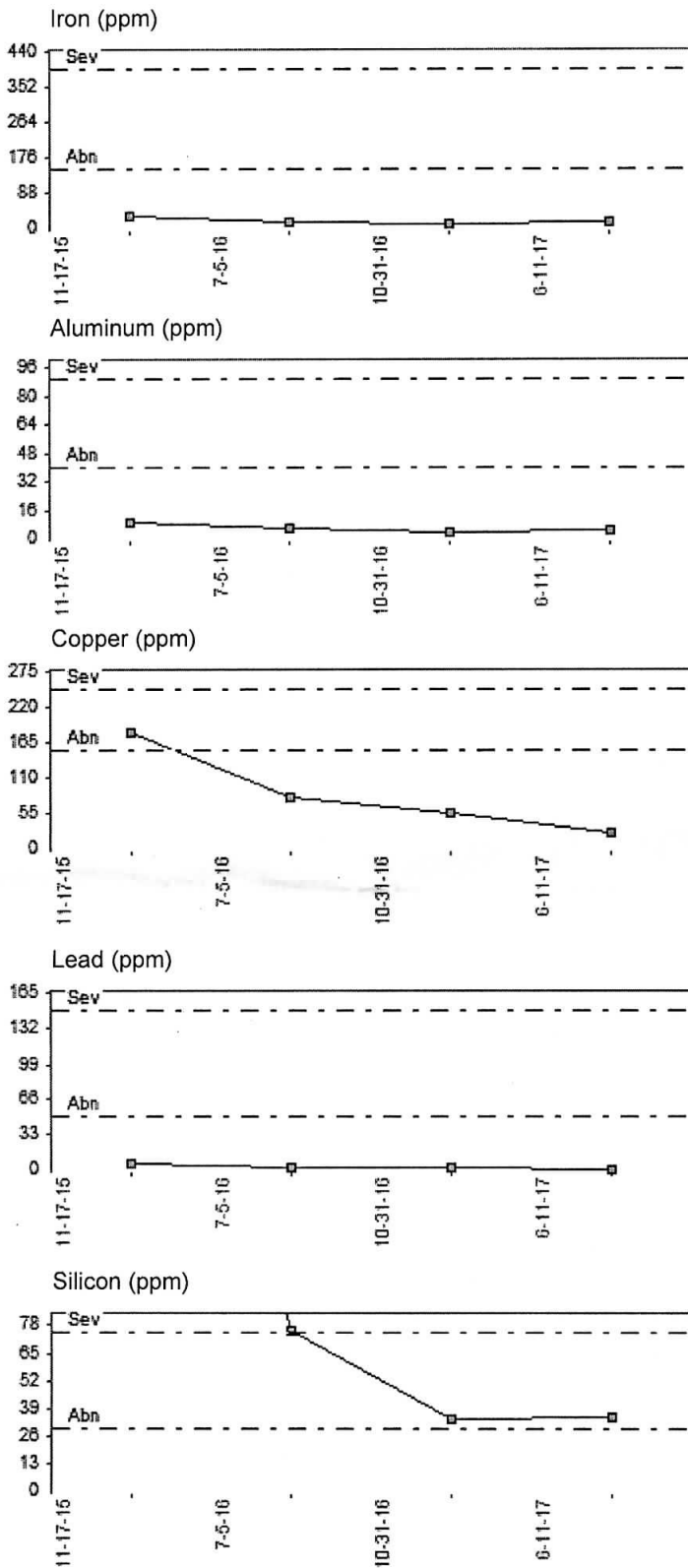
| Sample Date | 11/17/15 | 07/05/16 | 10/31/16 | Current | Base |
|------------------|----------|----------|----------|---------|------|
| Boron | 1.5 | 136 | 149 | 111 | |
| Barium | 14 | 2.8 | 0.6 | 0.3 | |
| Calcium | 2099 | 3193 | 3525 | 3456 | |
| Magnesium | 10 | 14 | 15 | 14 | |
| Molybdenum | 102 | 127 | 137 | 138 | |
| Sodium | 6.5 | 4.2 | 4.8 | 5.3 | |
| Phosphorus | 677 | 661 | 698 | 682 | |
| Sulfur | 2732 | 2743 | 2899 | 2918 | |
| Zinc | 762 | 735 | 768 | 763 | |
| Visc 40°C (cSt) | --- | 36.3 | --- | --- | |
| Visc 100°C (cSt) | 6.9 | 7.2 | 8.1 | 7.8 | |
| VI | --- | 166 | --- | --- | |
| Oxidation (%) | 76 | 190 | 216 | 232 | |
| AN (mg/KOH/g) | 2.50 | 2.13 | 2.33 | 2.92 | |
| BN (mg/KOH/g) | 6.12 | 8.53 | 9.79 | 8.53 | |

WEAR

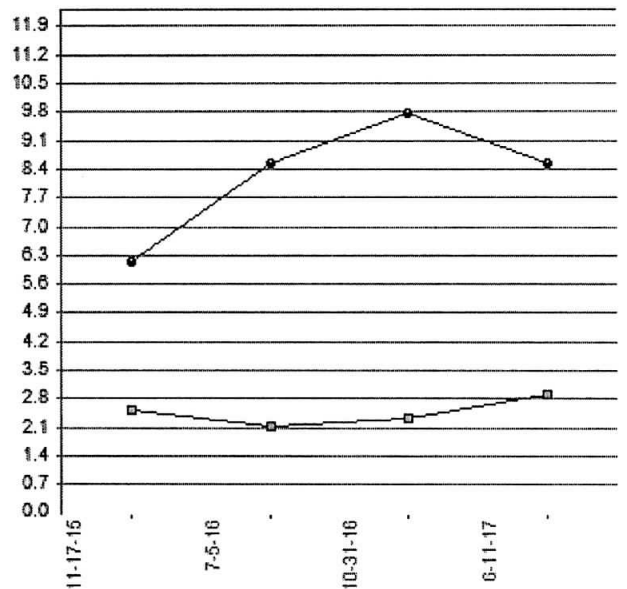
All component wear rates are normal.

| Sample Date | 11/17/15 | 07/05/16 | 10/31/16 | Current | Abn |
|-------------|----------|----------|----------|---------|-----|
| White Metal | VLITE | NONE | NONE | VLITE | --- |
| Babbitt | NONE | NONE | NONE | NONE | --- |
| PQ | --- | --- | --- | --- | --- |
| Iron | 34 | 16 | 9.9 | 18 | 150 |
| Nickel | 0.0 | 0.0 | 0.0 | 0.0 | 5 |
| Chromium | 0.4 | 0.4 | 0.2 | 0.4 | 20 |
| Titanium | 0.2 | 0.0 | 0.0 | 0.0 | --- |
| Copper | 182 | 81 | 55 | 27 | 155 |
| Aluminum | 9.1 | 5.8 | 3.9 | 4.7 | 40 |
| Tin | 0.3 | 0.0 | 0.0 | 0.0 | 10 |
| Lead | 5.7 | 2.8 | 2.0 | 1.1 | 50 |

Graphs



TAN ■ TBN ●



If you have any questions concerning this sample report (work order no 02151734) please call 1-800-268-2131.



The leader in oil analysis
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