

Customer Information

Customer Name: [REDACTED]
Address: [REDACTED]
City: [REDACTED]
Province: [REDACTED]
Country: [REDACTED]

Unit Information

This is a fluid reference sample.
 Sample was accepted as a reference.

Lubricant

Manufacturer: MOTUL
Brand: 8100 X-CES
Grade: 5W40
Sample: 04/02-566

Lab Tracking #: 1 - 2046533

Oil Analysis

4371 Savaryn Drive SW, Edmonton
 Alberta, Canada T6X 2E8
 Phone: 877 962 2400

| Sample Number | Sample Date | Contaminants ppm | | | Wear Metals ppm | | | Additives ppm | | | | | | | | | | | | | | | | |
|-----------------------|-------------|------------------|-----------|---------|-----------------|------|--------|---------------|-----|----------|--------|----------|--------|----------|----------|-----------|---------|------|------------|-----------|------------|-------|--------|---------|
| | | Sodium | Potassium | Silicon | Aluminum | Iron | Copper | Lead | Tin | Chromium | Nickel | Titanium | Silver | Vanadium | Antimony | Beryllium | Calcium | Zinc | Phosphorus | Magnesium | Molybdenum | Boron | Barium | Lithium |
| Ref: Sample 04/02-566 | 2019/03/27 | 5 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2564 | 970 | 861 | 14 | 2 | 68 | 0 | 0 |
| | 2019/03/27 | 5 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2564 | 970 | 861 | 14 | 2 | 68 | 0 | 0 |

Sample Information

| Sample Date | Oil Mfr. | Oil Brand | Oil Grade | Comp. Service | Oil Service | Units | Oil Chg |
|-------------|----------|-----------|-----------|---------------|-------------|-------|---------|
| 2019/03/27 | MOT | 8100XCES | 5W40 | ? | | | Y |

Physical Tests

| Visc 40°C cSt | Visc 100°C cSt | Visc Index | Water | NIT (A/cm) | OX (A/cm) | Sul (A/cm) |
|---------------|----------------|------------|-------|------------|-----------|------------|
| 83.0 | 13.72 | 1.70 | N | <0.10 | <0.10 | <0.10 |

Handwritten: Visc 40°C 83.0
 Visc 100°C 13.72
 Visc Index 1.70
 Water N
 NIT <0.10
 OX <0.10
 Sul <0.10

Additional Tests

| Accepted | BN (FTIR) (mg(OH)/g) |
|----------|----------------------|
| Yes | 8.5 |
| Yes | 8.5 |

Handwritten: 8.5
 8.5

Results

2019/03/27 This new oil is in acceptable condition.

Recommendations

2019/03/27

Key: Y - Yes N - Negative P - Positive

R - Reportable

U - Unacceptable

S - Severe

I - Insufficient Sample

> - More Than

< - Less Than

NT - Not Triggered

Results relate only to the samples tested, all testing is done at the above address unless stated. This is presented in abbreviated format. Additional information is available upon request. The Fluid Life Corporation shall not be liable for any loss of profits, business, damages, or fitness of purpose, related to this oil analysis report and recommendations.

