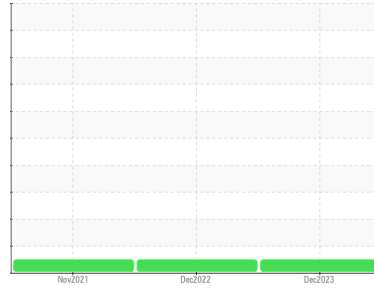




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
GESTION ESC [A15112023U]
 Machine Id
SKYTRAC 10054 07-41 (S/N 160030936)
 Component
Reference New (Unused) Oil
 Fluid
PANOLIN HLP SYNTH 46 (--- LTR)

DIAGNOSIS

Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

Wear

{sans objet}

Contamination

{sans objet}

Fluid Condition

{sans objet}

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-----------------|------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC | WC | WC |
| Sample Date | Client Info | | 22 Dec 2023 | 08 Dec 2022 | 27 Nov 2021 |
| Machine Age | hrs Client Info | | 10491 | 9900 | 8892 |
| Oil Age | hrs Client Info | | 0 | 0 | 0 |
| Oil Changed | Client Info | | N/A | N/A | N/A |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.05 | NEG | NEG | NEG |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|-------------------|------------|--------------|----------|----------|
| Iron | ppm ASTM D5185(m) | | 0 | 0 | 0 |
| Chromium | ppm ASTM D5185(m) | | 0 | 0 | 0 |
| Nickel | ppm ASTM D5185(m) | | 0 | 0 | <1 |
| Titanium | ppm ASTM D5185(m) | | 0 | 0 | 0 |
| Silver | ppm ASTM D5185(m) | | 0 | 0 | <1 |
| Aluminum | ppm ASTM D5185(m) | | <1 | 0 | <1 |
| Lead | ppm ASTM D5185(m) | | 0 | 0 | <1 |
| Copper | ppm ASTM D5185(m) | | <1 | 0 | <1 |
| Tin | ppm ASTM D5185(m) | | 0 | 0 | 0 |
| Antimony | ppm ASTM D5185(m) | | 0 | <1 | 0 |
| Vanadium | ppm ASTM D5185(m) | | 0 | 0 | 0 |
| Beryllium | ppm ASTM D5185(m) | | 0 | 0 | 0 |
| Cadmium | ppm ASTM D5185(m) | | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|-------------------|------------|--------------|----------|----------|
| Boron | ppm ASTM D5185(m) | 0 | <1 | 1 | 1 |
| Barium | ppm ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Molybdenum | ppm ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Manganese | ppm ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Magnesium | ppm ASTM D5185(m) | 0 | <1 | 0 | 0 |
| Calcium | ppm ASTM D5185(m) | 0 | <1 | 0 | <1 |
| Phosphorus | ppm ASTM D5185(m) | 1700 | 1482 | 1693 | 1673 |
| Zinc | ppm ASTM D5185(m) | 0 | 2 | <1 | <1 |
| Sulfur | ppm ASTM D5185(m) | 1350 | 1299 | 1356 | 1363 |
| Lithium | ppm ASTM D5185(m) | | <1 | <1 | <1 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|-------------------|------------|--------------|----------|----------|
| Silicon | ppm ASTM D5185(m) | | <1 | <1 | <1 |
| Sodium | ppm ASTM D5185(m) | | <1 | <1 | 0 |
| Potassium | ppm ASTM D5185(m) | >20 | 0 | 0 | <1 |

INFRA-RED

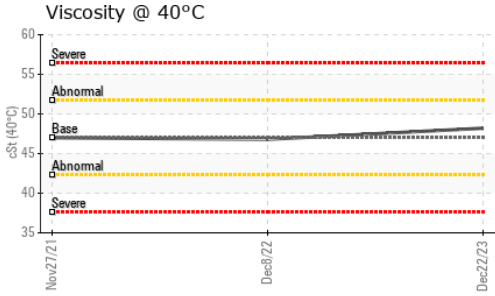
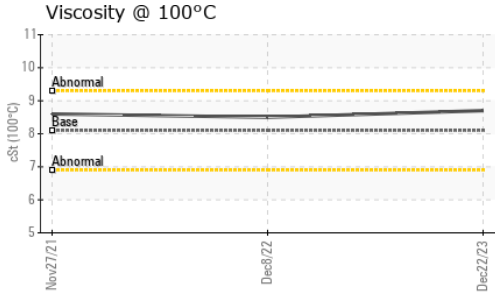
| | method | limit/base | current | history1 | history2 |
|-----------|----------------------|------------|--------------|----------|----------|
| Soot % | % ASTM D7844* | | 0 | 0 | 0 |
| Nitration | Abs/cm ASTM D7624* | | 4.2 | 4.4 | 4.1 |
| Sulfation | Abs./1mm ASTM D7415* | | 154.8 | 161.6 | 152.3 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|-----------|----------------------|------------|--------------|----------|----------|
| Oxidation | Abs./1mm ASTM D7414* | | 153.2 | 164.5 | 150.4 |



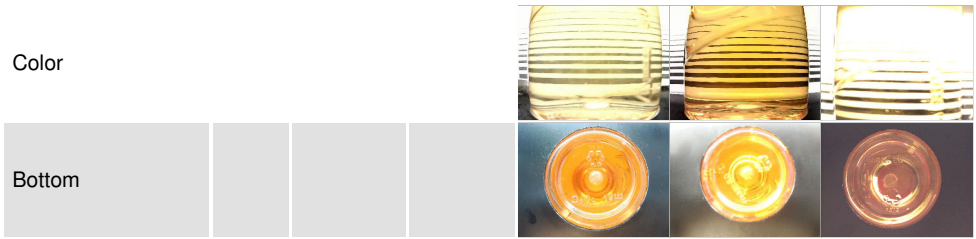
OIL ANALYSIS REPORT



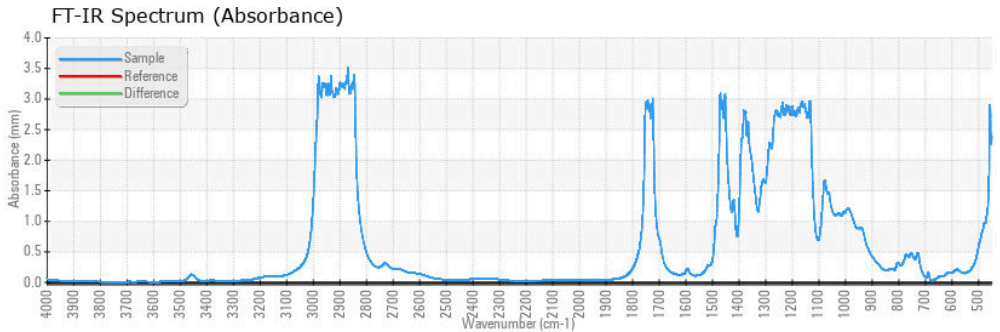
| VISUAL | method | limit/base | current | history1 | history2 |
|--------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | NONE |
| Silt | scalar | Visual* | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|----------------------|--------|---------------|---------|-------------|----------|------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 47.0 | 48.2 | 46.8 | 47.0 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 8.1 | 8.7 | 8.5 | 8.6 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 146 | 160 | 160 | 162 |

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC **Received** : 04 Jan 2024
Lab Number : **02606648** **Diagnosed** : 08 Jan 2024
Unique Number : 5707734 **Diagnostician** : Bill Quesnel
Test Package : TEST (Additional Tests: ICP-NewOil)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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