

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[APPLE ZAPPLE]
 Machine Id
FLENDER APPLE ZAPPLE - LIFT
 Component
Gearbox
 Fluid
CHEVRON MEROPA 220 (19 LTR)

DIAGNOSIS

- Recommendation**
Resample at the next service interval to monitor.
- Wear**
All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the oil.
- Fluid Condition**
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION method limit/base current history1 history2

| | | | | | |
|---------------|-------------|-------------|--------------------|-----|-----|
| Sample Number | Client Info | | TO60001535 | --- | --- |
| Sample Date | Client Info | | 02 Jan 2024 | --- | --- |
| Machine Age | yrs | Client Info | 0 | --- | --- |
| Oil Age | yrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | Not Chngd | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

WEAR METALS method limit/base current history1 history2

| | | | | | | |
|----------|-----|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | | 96 | --- | --- |
| Iron | ppm | ASTM D5185m | >200 | 140 | --- | --- |
| Chromium | ppm | ASTM D5185m | >15 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >15 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >100 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >200 | 1 | --- | --- |
| Tin | ppm | ASTM D5185m | >25 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

ADDITIVES method limit/base current history1 history2

| | | | | | | |
|------------|-----|-------------|------|-------------|-----|-----|
| Boron | ppm | ASTM D5185m | 40 | 8 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 7 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 12 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 270 | 295 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 40 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 8600 | 8832 | --- | --- |

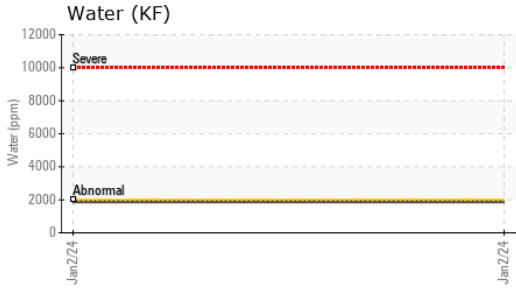
CONTAMINANTS method limit/base current history1 history2

| | | | | | | |
|-----------|-----|-------------|-------|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >50 | 8 | --- | --- |
| Sodium | ppm | ASTM D5185m | | <1 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Water | % | ASTM D6304 | >0.2 | 0.189 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >2000 | 1890 | --- | --- |

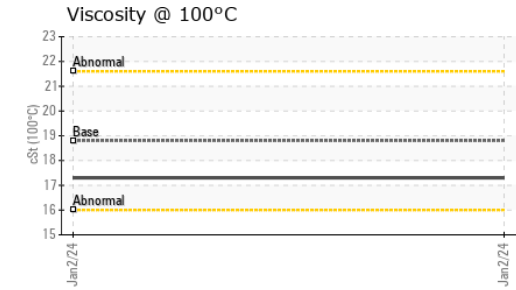
VISUAL method limit/base current history1 history2


| | | | | | | |
|------------------|--------|---------|-------|--------------|-----|-----|
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.2 | 0.2% | --- | --- |
| Free Water | scalar | *Visual | | NEG | --- | --- |

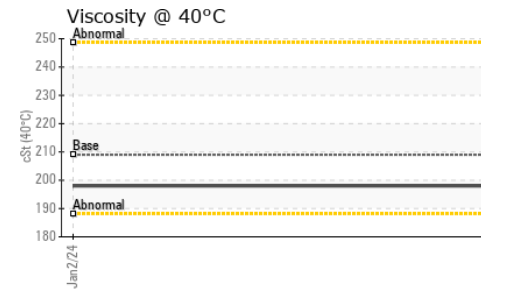
OIL ANALYSIS REPORT



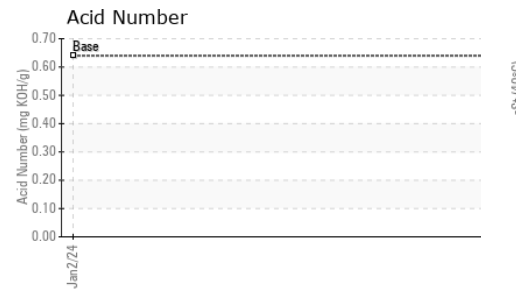
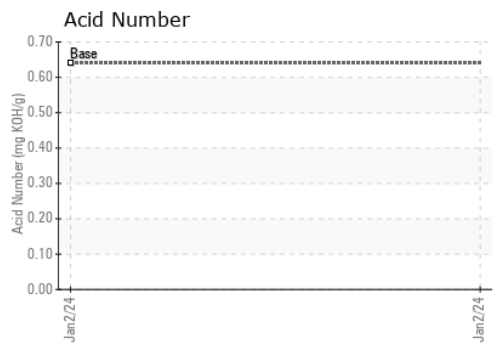
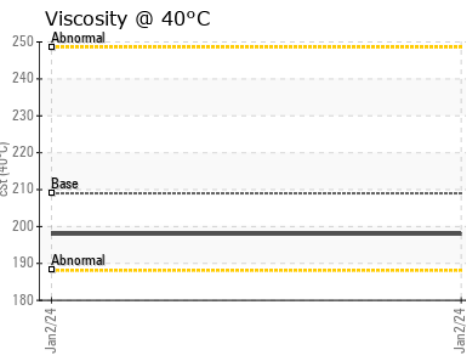
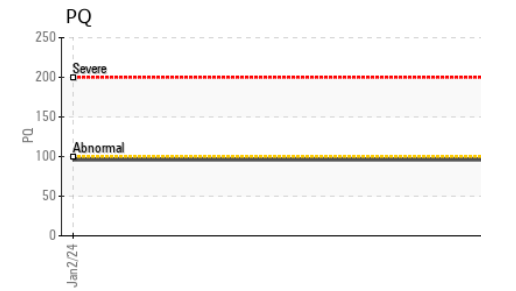
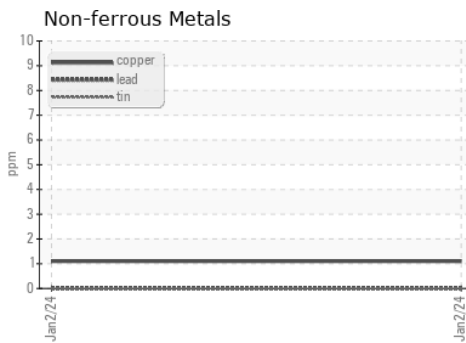
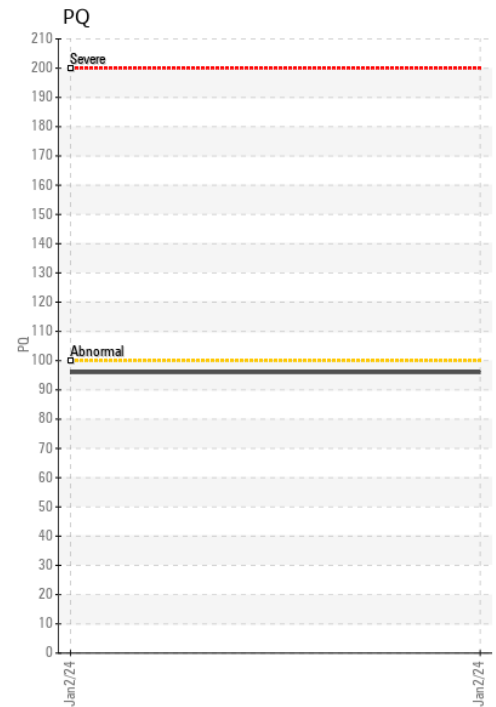
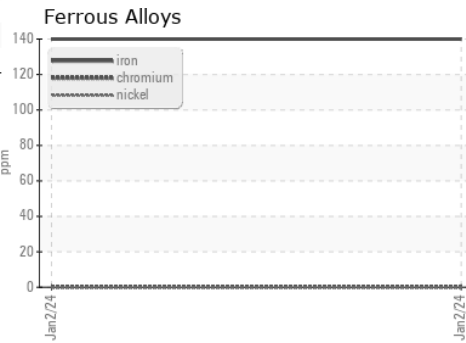
| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|----------------------|--------|----------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 209 | 198 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 18.8 | 17.3 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 100 | 93 | --- | --- |



| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---|----------|----------|
| Color | | |  | no image | no image |
| Bottom | | |  | no image | no image |



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60001535 **Received** : 17 Jan 2024
Lab Number : 06063905 **Diagnosed** : 20 Jan 2024
Unique Number : 10835287 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)

KINGS DOMINION
 16000 THEME PARK DR, I-95 AT STATE RD 30
 DOSWELL, VA
 US
 Contact: RICHARD GREER
 richard.greer@kingsdominion.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: