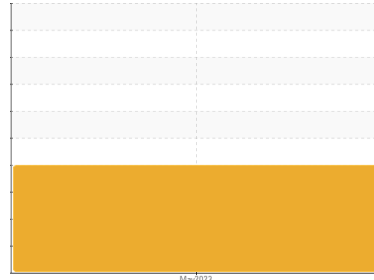


PROBLEM SUMMARY

Sample Rating Trend

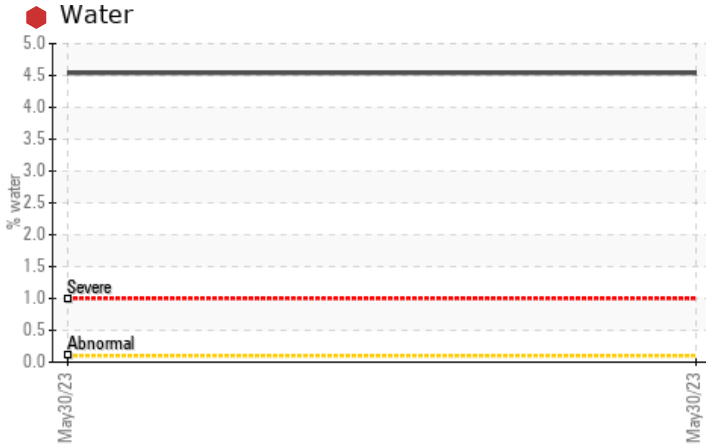


WATER



Machine Id
820PM18301
Component
Natural Gas Engine
Fluid
MOBIL PEGASUS 805 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | SEVERE | --- | --- |
|------------------|--------|------------|-------|--------|-----|-----|
| Water | % | ASTM D6304 | >0.1 | 4.54 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >1000 | 45400 | --- | --- |
| Appearance | scalar | *Visual | NORML | MILKY | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | 0.2% | --- | --- |

Customer Id: ENTHOU
Sample No.: RP0026912
Lab Number: 05859362
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

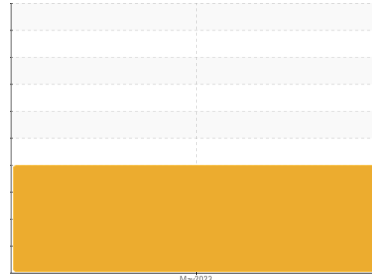
| Action | Status | Date | Done By | Description |
|--------------------|--------|------|---------|---|
| Change Fluid | --- | --- | ? | We recommend that you drain the oil and perform a filter service on this component if not already done. |
| Change Filter | --- | --- | ? | We recommend that you drain the oil and perform a filter service on this component if not already done. |
| Resample | --- | --- | ? | We recommend an early resample to monitor this condition. |
| Check Water Access | --- | --- | ? | We advise that you check for the source of water entry. |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
820PM18301
 Component
Natural Gas Engine
 Fluid
MOBIL PEGASUS 805 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Appearance is milky. There is a high concentration of water present in the oil. Test for glycol is negative.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

| | method | limit/base | current | history 1 | history 2 |
|---------------|-------------|-------------|--------------------|-----------|-----------|
| Sample Number | Client Info | | RP0026912 | --- | --- |
| Sample Date | Client Info | | 30 May 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | SEVERE | --- | --- |

WEAR METALS

| | method | limit/base | current | history 1 | history 2 |
|----------|--------|-----------------|--------------|-----------|-----------|
| Iron | ppm | ASTM D5185m >50 | 15 | --- | --- |
| Chromium | ppm | ASTM D5185m >4 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m >2 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >9 | 1 | --- | --- |
| Lead | ppm | ASTM D5185m >30 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m >35 | 1 | --- | --- |
| Tin | ppm | ASTM D5185m >4 | 4 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | <1 | --- | --- |

ADDITIVES

| | method | limit/base | current | history 1 | history 2 |
|------------|--------|------------------|--------------|-----------|-----------|
| Boron | ppm | ASTM D5185m 80 | 16 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 5 | --- | --- |
| Manganese | ppm | ASTM D5185m | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 24 | --- | --- |
| Calcium | ppm | ASTM D5185m 1020 | 855 | --- | --- |
| Phosphorus | ppm | ASTM D5185m 220 | 316 | --- | --- |
| Zinc | ppm | ASTM D5185m 230 | 354 | --- | --- |

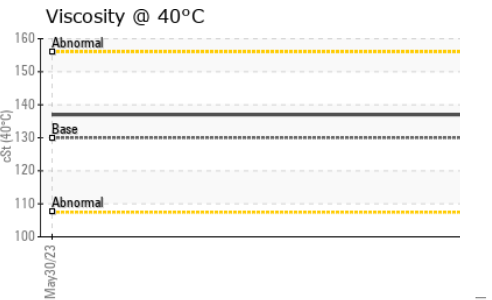
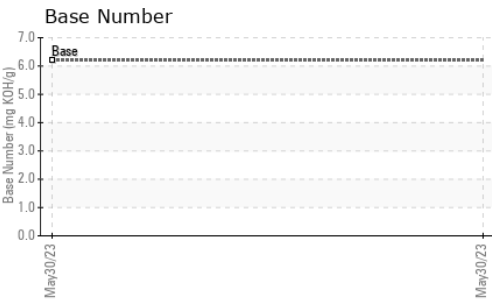
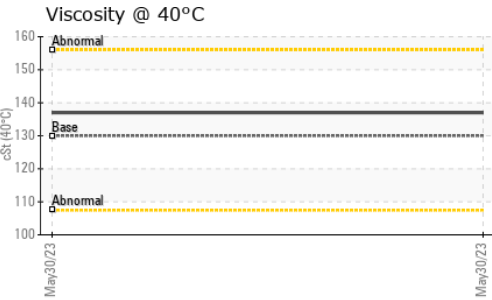
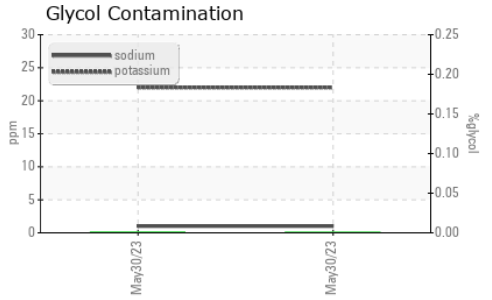
CONTAMINANTS

| | method | limit/base | current | history 1 | history 2 |
|-----------|--------|-------------------|--------------|-----------|-----------|
| Silicon | ppm | ASTM D5185m >+100 | 5 | --- | --- |
| Sodium | ppm | ASTM D5185m | 1 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 22 | --- | --- |
| Water | % | ASTM D6304 >0.1 | 4.54 | --- | --- |
| ppm Water | ppm | ASTM D6304 >1000 | 45400 | --- | --- |
| Glycol | % | *ASTM D2982 | 0.0 | --- | --- |

FLUID DEGRADATION

| | method | limit/base | current | history 1 | history 2 |
|------------------|----------|----------------|-------------|-----------|-----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 1.0 | 1.14 | --- | --- |

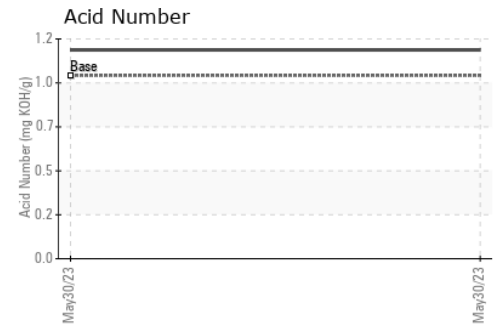
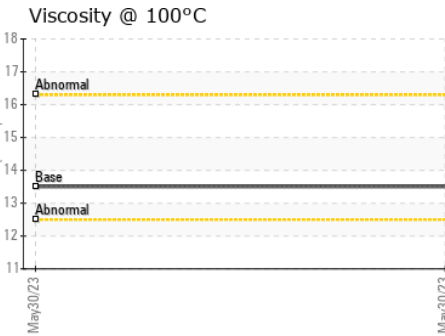
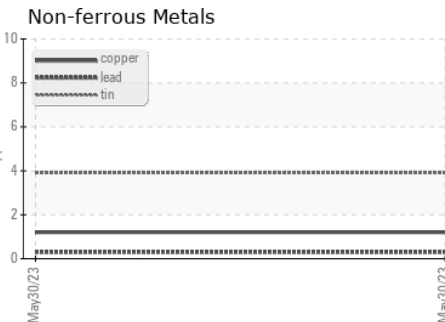
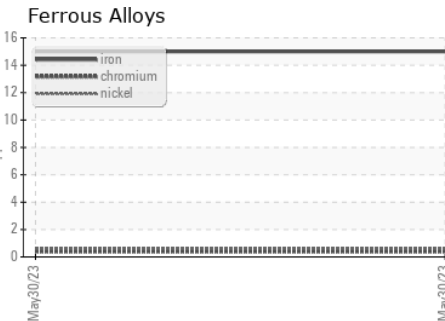
OIL ANALYSIS REPORT



| VISUAL | method | limit/base | current | history 1 | history 2 |
|------------------|--------|------------|---------|----------------|-----------|
| 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 | ▲ MILKY | --- |
| Odor | scalar | *Visual | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | 0.2% | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history 1 | history 2 |
|----------------------|--------|------------|---------|--------------|-----------|
| Visc @ 40°C | cSt | ASTM D445 | 130.0 | 137 | --- |
| Visc @ 100°C | cSt | ASTM D445 | 13.5 | 13.51 | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | 99 | 92 | --- |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0026912 **Received** : 30 May 2023
Lab Number : 05859362 **Diagnosed** : 02 Jun 2023
Unique Number : 10493827 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: Glycol, KV100, PQ, TBN, VI)

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)

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