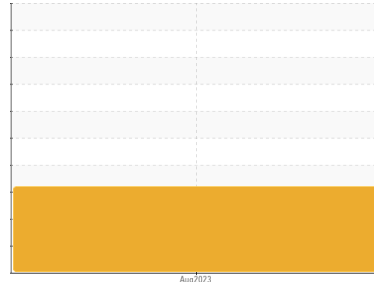




PROBLEM SUMMARY

Sample Rating Trend



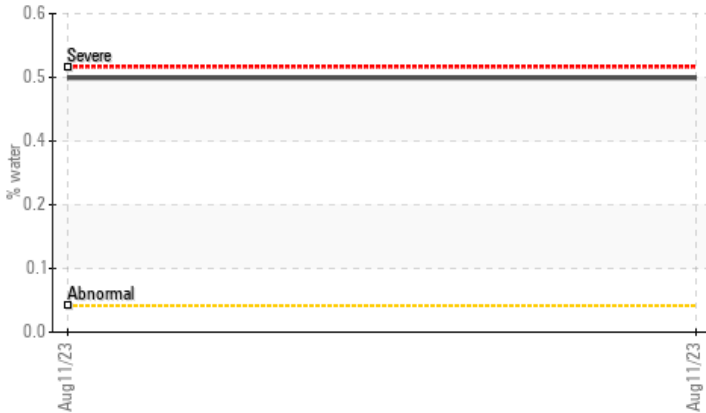
WATER



Machine Id
ALLIED SCRAP - LAKELAND FL
 Component
Hydraulic System
 Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Water



RECOMMENDATION

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ABNORMAL | --- | --- |
|---------------|--------|------------|-------|-----------------|----------|----------|
| Water | % | ASTM D6304 | >0.05 | ▲ 0.479 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >500 | ▲ 4790 | --- | --- |
| Silt | scalar | *Visual | NONE | ▲ MODER | --- | --- |
| Appearance | scalar | *Visual | NORML | ▲ MILKY | --- | --- |
| PrtFilter | | | | | no image | no image |

Customer Id: HYDTAMFL
Sample No.: PH0001101
Lab Number: 05926067
Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

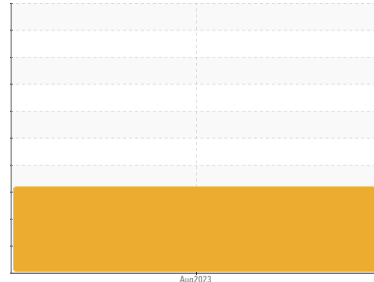
| Action | Status | Date | Done By | Description |
|----------------------|--------|------|---------|--|
| Change Filter | --- | --- | ? | We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. |
| Resample | --- | --- | ? | We recommend an early resample to monitor this condition. |
| Alert | --- | --- | ? | We were unable to perform a particle count due to a high concentration of particles present in this sample. |
| Information Required | --- | --- | ? | Please specify the brand, type, and viscosity of the oil on your next sample. |
| Filter Fluid | --- | --- | ? | We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
ALLIED SCRAP - LAKE LAND FL
 Component
Hydraulic System
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

▲ Contamination

Appearance is milky. There is a moderate concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | PH0001101 | --- | --- |
| Sample Date | Client Info | | 11 Aug 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | ABNORMAL | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >20 | 2 | --- | --- |
| Chromium | ppm | ASTM D5185m >20 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m >20 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >20 | 0 | --- | --- |
| Lead | ppm | ASTM D5185m >20 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m >20 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m >20 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | 1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 2 | --- | --- |
| Calcium | ppm | ASTM D5185m | 74 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 322 | --- | --- |
| Zinc | ppm | ASTM D5185m | 414 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 867 | --- | --- |

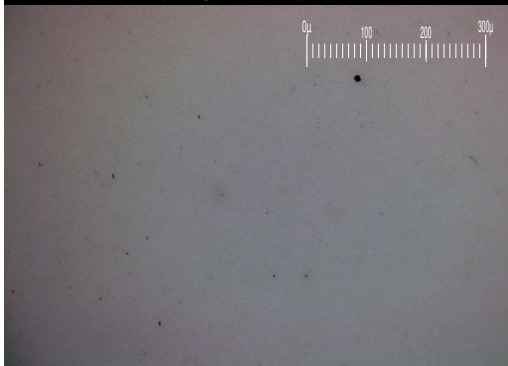
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|----------------|----------|----------|
| Silicon | ppm | ASTM D5185m >15 | 1 | --- | --- |
| Sodium | ppm | ASTM D5185m | 0 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | <1 | --- | --- |
| Water | % | ASTM D6304 >0.05 | ▲ 0.479 | --- | --- |
| ppm Water | ppm | ASTM D6304 >500 | ▲ 4790 | --- | --- |

FLUID DEGRADATION

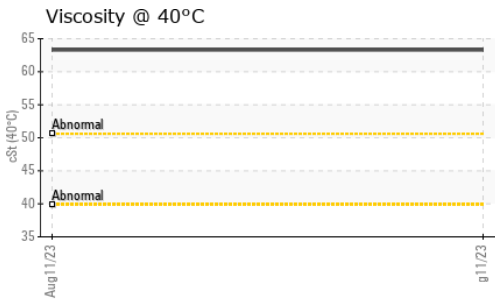
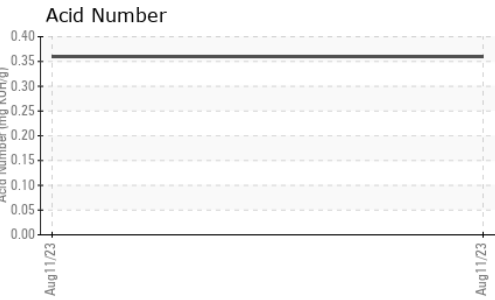
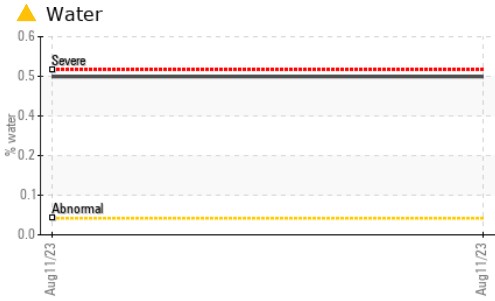
| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.36 | --- | --- |

Particle Filter (Magn: 200 x)





OIL ANALYSIS REPORT



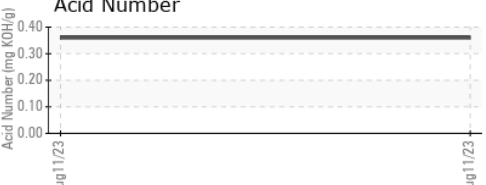
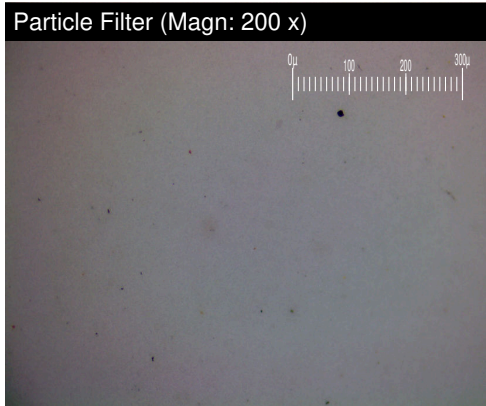
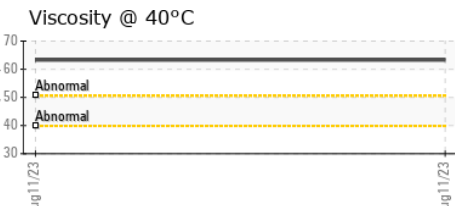
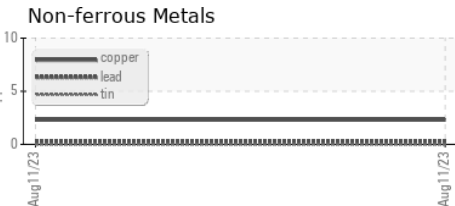
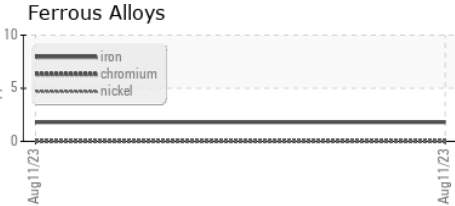
| VISUAL | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|----------|----------|-----|
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- | --- |
| Silt | scalar | *Visual | NONE | ▲ MODER | --- | --- |
| 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 | >0.05 | 0.2% | --- | --- |
| Free Water | scalar | *Visual | | NEG | --- | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 63.3 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

| | | | | | |
|-----------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |
| PrtFilter | | | | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0001101 **Received** : 16 Aug 2023
Lab Number : 05926067 **Diagnosed** : 22 Aug 2023
Unique Number : 10606014 **Diagnostician** : Doug Bogart
Test Package : PLANT (Additional Tests: KF, PrtFilter)

HYDRA DYNE LLC
 3001 N 50TH ST
 TAMPA, FL
 US 33619
 Contact: BILL BROWN
 BBROWN@HYDRADYNELLC.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: