



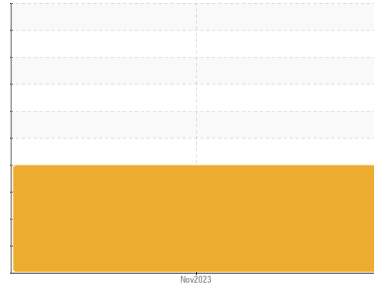
PROBLEM SUMMARY

Sample Rating Trend

DEGRADATION

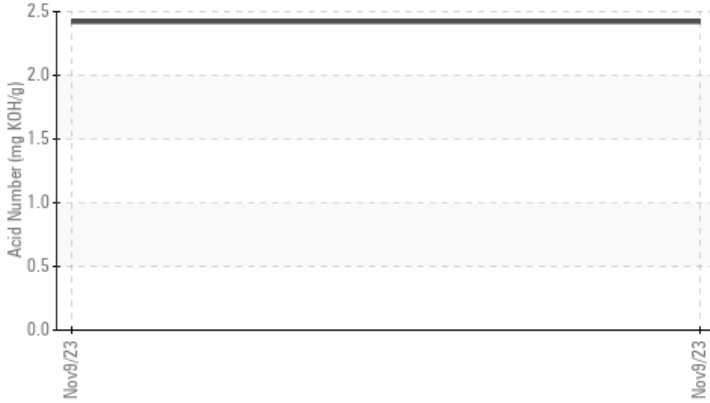


Machine Id
FS CUTRIS HE11F22022 - WEST FRASER INC
Component
Compressor
Fluid
PG 32 (--- GAL)

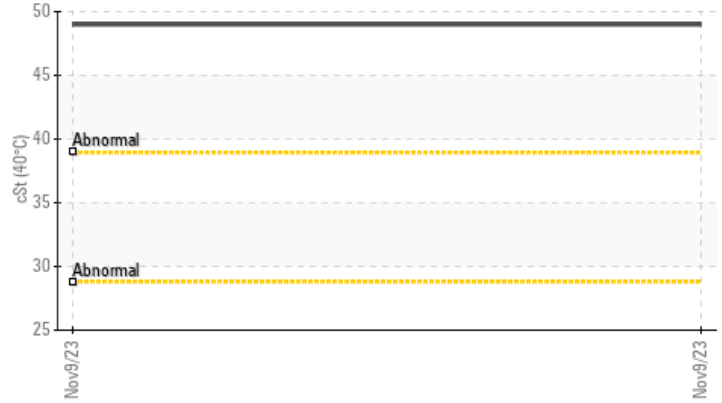


COMPONENT CONDITION SUMMARY

Acid Number



Viscosity @ 40°C



RECOMMENDATION

We advise that you check for a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | SEVERE | --- | --- |
|------------------|----------|------------|------|--------|-----|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 2.421 | --- | --- |
| Debris | scalar | *Visual | NONE | MODER | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 49.0 | --- | --- |

Customer Id: AIRGREWC
Sample No.: WC0811763
Lab Number: 06006431
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 from the component if this has not already been done. |
| Resample | --- | --- | ? | We recommend an early resample to monitor this condition. |
| Check For Overheating | --- | --- | ? | We advise that you check for a possible overheat condition. |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Machine Id
FS CUTRIS HE11F22022 - WEST FRASER INC
 Component
Compressor
 Fluid
PG 32 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check for a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. The oil is no longer serviceable.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | WC0811763 | --- | --- |
| Sample Date | Client Info | | 09 Nov 2023 | --- | --- |
| Machine Age | hrs | Client Info | 9522 | --- | --- |
| Oil Age | hrs | Client Info | 2000 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | SEVERE | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >50 | 0 | --- | --- |
| Chromium | ppm | ASTM D5185m >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >25 | 0 | --- | --- |
| Lead | ppm | ASTM D5185m >25 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m >50 | 0 | --- | --- |
| Tin | ppm | ASTM D5185m >15 | <1 | --- | --- |
| 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 | 268 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 28 | --- | --- |
| Zinc | ppm | ASTM D5185m | 0 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 458 | --- | --- |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | 2 | --- | --- |
| Sodium | ppm | ASTM D5185m | 60 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 3 | --- | --- |

FLUID DEGRADATION

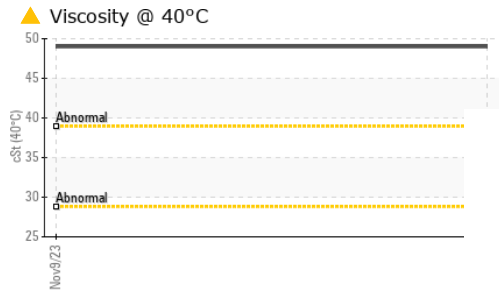
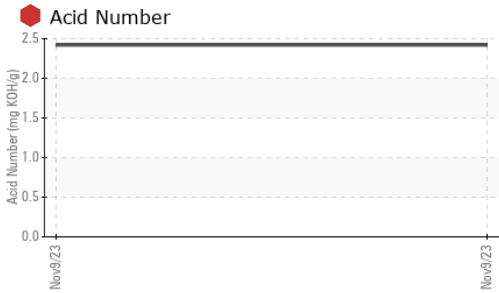
| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 2.421 | --- | --- |

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 | MODER | --- | --- |
| Sand/Dirt | scalar | *Visual NONE | NONE | --- | --- |
| Appearance | scalar | *Visual NORML | NORML | --- | --- |
| Odor | scalar | *Visual NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual >0.1 | NEG | --- | --- |
| Free Water | scalar | *Visual | NEG | --- | --- |



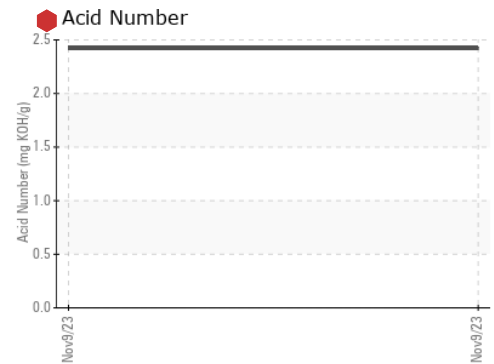
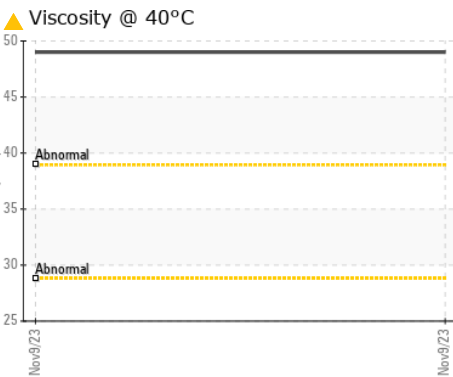
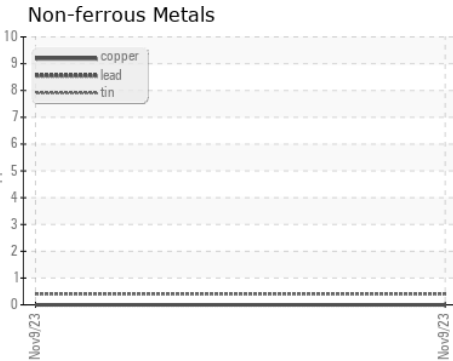
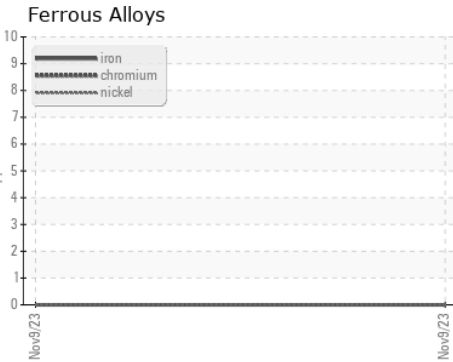
OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | ▲ 49.0 | --- | --- |

| 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. : WC0811763 **Received** : 13 Nov 2023
Lab Number : 06006431 **Diagnosed** : 16 Nov 2023
Unique Number : 10740193 **Diagnostician** : Jonathan Hester
Test Package : IND 2

FS-COMPRESSION CO, LLC
 203 AERO COURT
 GREENSBORO, NC
 US 27409

Contact: Dallas Burcham
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 T: (336)605-9622
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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)