



PROBLEM SUMMARY

Sample Rating Trend



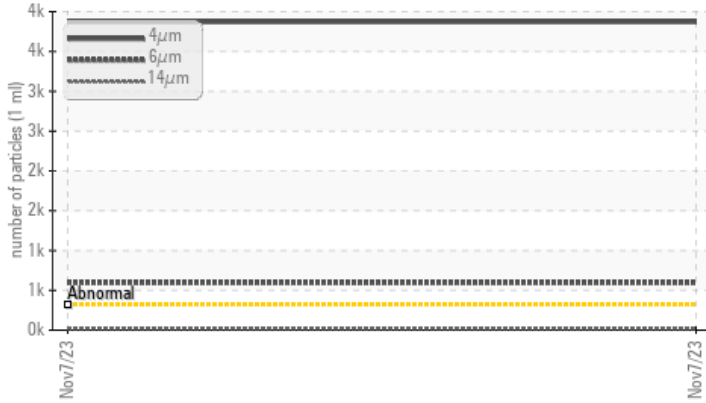
ISO



Machine Id
JNSGPB-1 (S/N 21-432)
 Component
Hydraulic Power Pack
 Fluid
LUBRIPLATE SFGO ULTRA 46 (165 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. Follow-up sample received. Resample at the next service interval to monitor. Please note that this is a corrected copy. (Customer Sample Comment: Viscosity index please)

PROBLEMATIC TEST RESULTS

| Sample Status | ASTM D7647 | ISO 4406 (c) | ABNORMAL | --- | --- |
|-----------------|------------|-------------------|----------|-----|-----|
| Particles >4µm | >320 | ▲ 3871 | --- | --- | --- |
| Particles >6µm | >80 | ▲ 596 | --- | --- | --- |
| Particles >14µm | >10 | ▲ 20 | --- | --- | --- |
| Oil Cleanliness | >15/13/10 | ▲ 19/16/11 | --- | --- | --- |

Customer Id: WESCONSC
 Sample No.: WC0782771
 Lab Number: 06008308
 Test Package: IND 2



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 |
|---------------|---------------|-------------|----------------|--|
| Alert | --- | --- | ? | Please note that this is a corrected copy. |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
JNSGPB-1 (S/N 21-432)
 Component
Hydraulic Power Pack
 Fluid
LUBRIPLATE SFGO ULTRA 46 (165 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Follow-up sample received. Resample at the next service interval to monitor. Please note that this is a corrected copy. (Customer Sample Comment: Viscosity index please)

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | WC0782771 | --- | --- |
| Sample Date | Client Info | 07 Nov 2023 | --- | --- |
| Machine Age | hrs | 0 | --- | --- |
| Oil Age | hrs | 752 | --- | --- |
| Oil Changed | Client Info | Not Chngd | --- | --- |
| Sample Status | | ABNORMAL | --- | --- |

CONTAMINATION

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

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 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >20 | 14 | --- | --- |
| Tin | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 | | |
|------------|------------|-------------|----------|--------------|-----|-----|
| Boron | ppm | ASTM D5185m | | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | <1 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 49 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1115 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 1331 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 3052 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 | | |
|-----------|------------|-------------|----------|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >15 | <1 | --- | --- |
| Sodium | ppm | ASTM D5185m | | <1 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | --- | --- |

FLUID CLEANLINESS

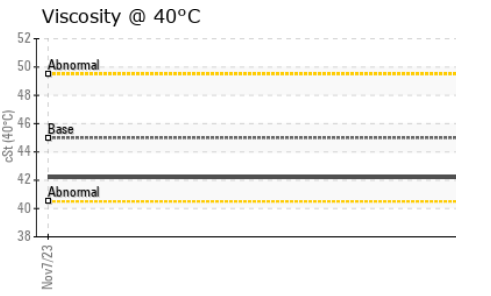
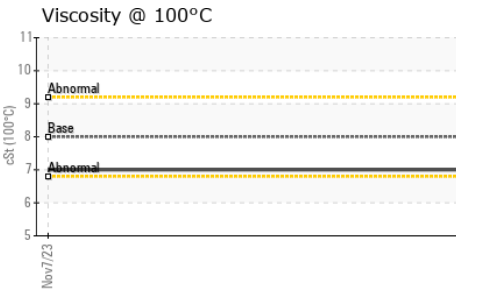
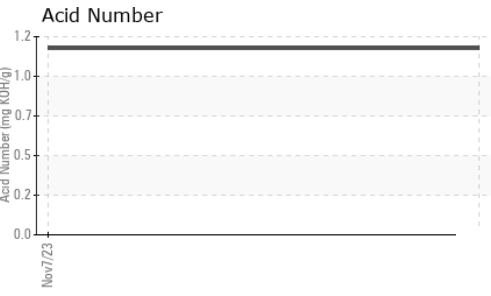
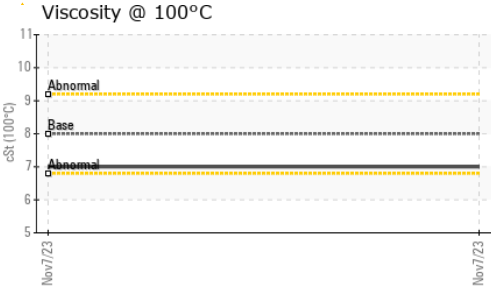
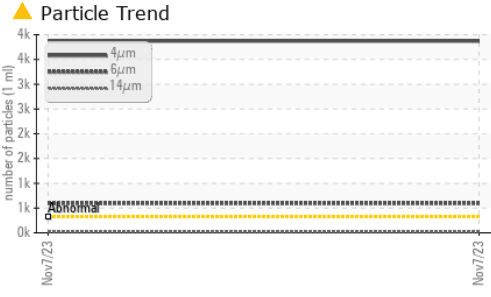
| method | limit/base | current | history1 | history2 | |
|-----------------|--------------|-----------|-------------------|----------|-----|
| Particles >4µm | ASTM D7647 | >320 | ▲ 3871 | --- | --- |
| Particles >6µm | ASTM D7647 | >80 | ▲ 596 | --- | --- |
| Particles >14µm | ASTM D7647 | >10 | ▲ 20 | --- | --- |
| Particles >21µm | ASTM D7647 | >3 | 3 | --- | --- |
| Particles >38µm | ASTM D7647 | >3 | 0 | --- | --- |
| Particles >71µm | ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >15/13/10 | ▲ 19/16/11 | --- | --- |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 | | |
|------------------|------------|------------|----------|-------------|-----|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.13 | --- | --- |



OIL ANALYSIS REPORT



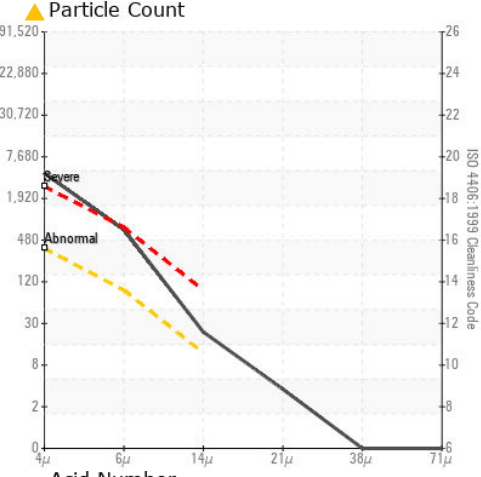
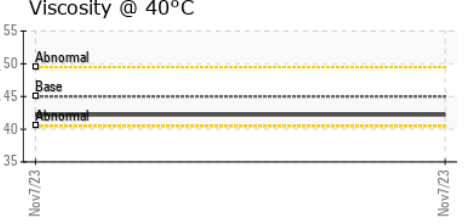
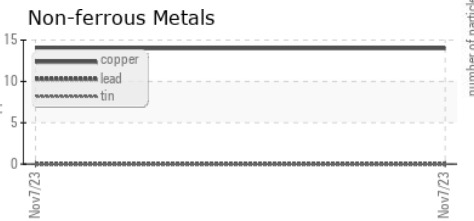
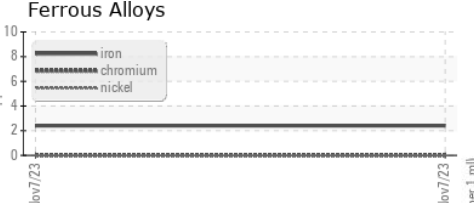
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | ---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

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|----------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 45 | 42.2 | --- |
| Visc @ 100°C | cSt | ASTM D445 | 8 | 7 | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | 134 | 125 | --- |

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782771 **Received** : 15 Nov 2023
Lab Number : 06008308 **Diagnosed** : 22 Nov 2023
Unique Number : 10742070 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KV100, VI)

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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)