



OIL ANALYSIS REPORT

| | |
|-----------------|--------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
UBE IMM1000-1
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 46 (2200 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | ST45622 | --- | --- |
| Sample Date | | Client Info | | 27 Mar 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | N/A | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

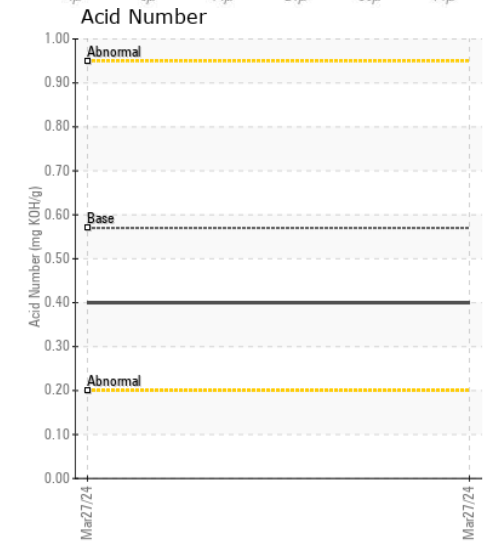
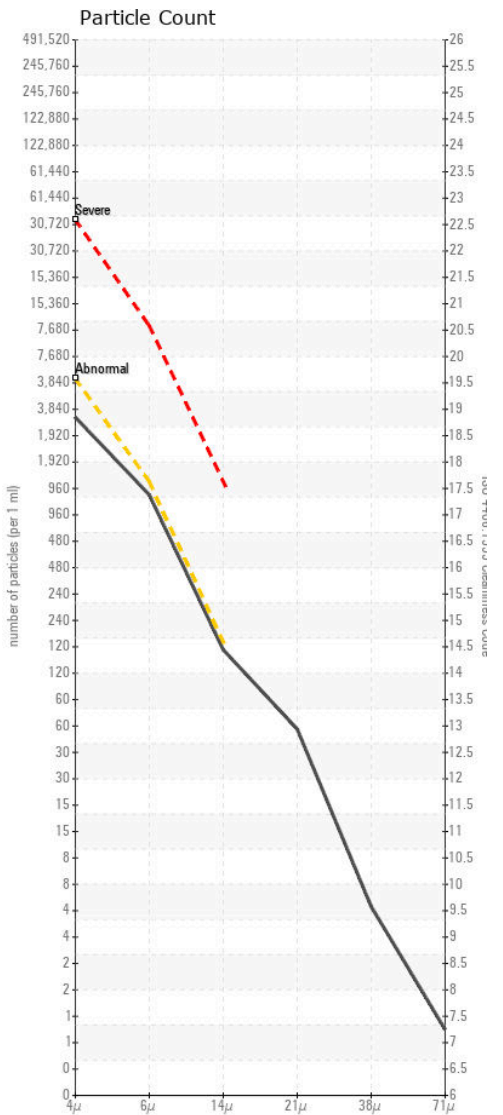
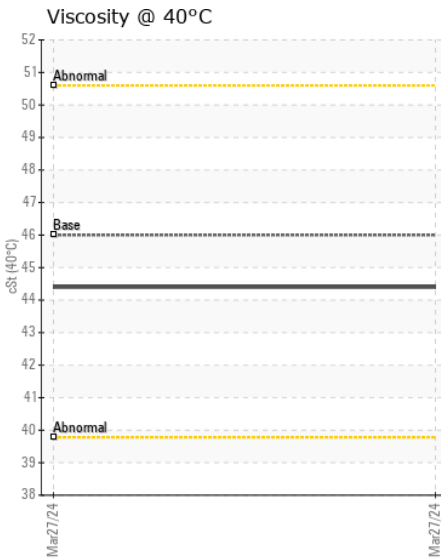
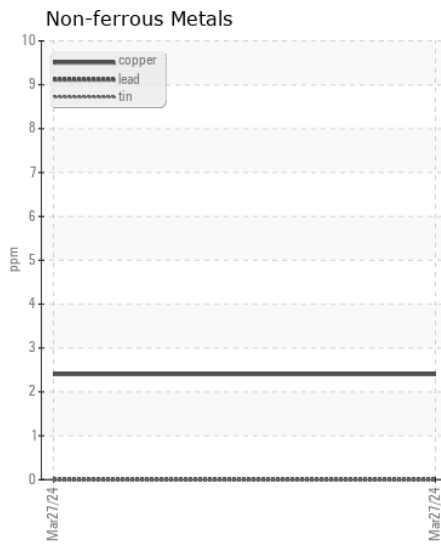
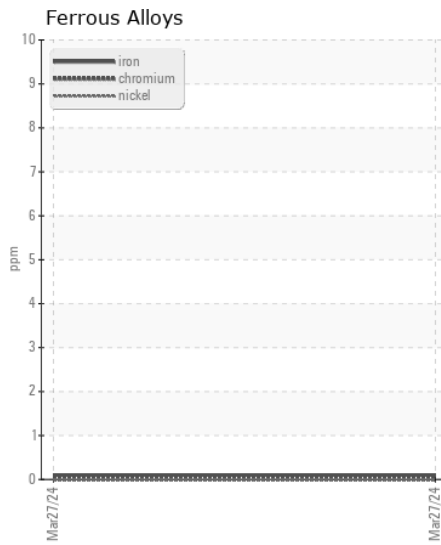
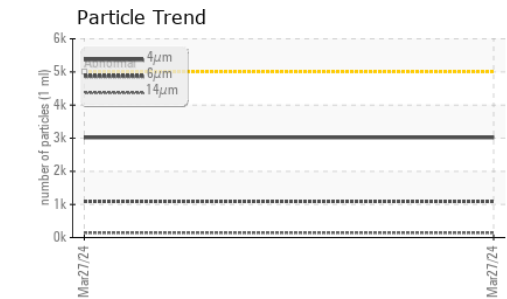
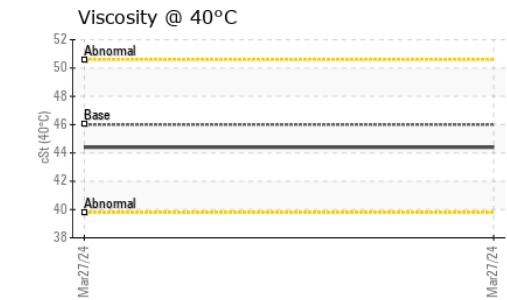
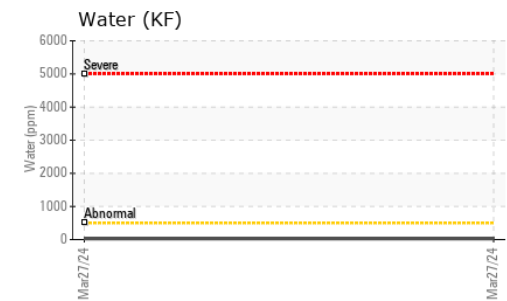
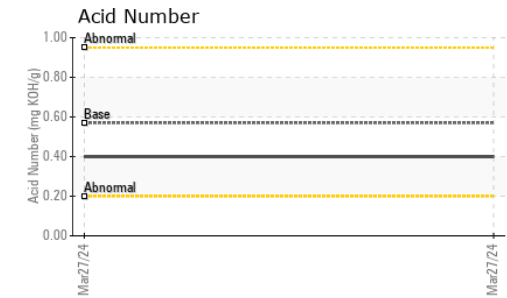
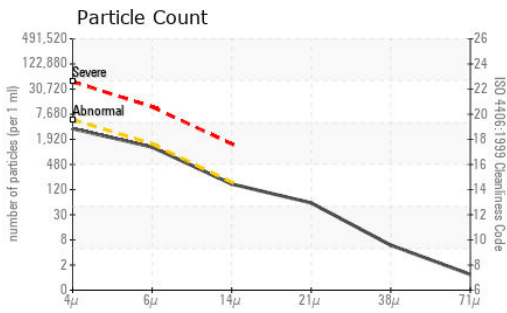
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

| | | | | | | |
|------------------|--------|---------------|-----------|-----------------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >15 | 0 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Water | % | ASTM D6304* | >0.05 | 0.003 | --- | --- |
| ppm Water | ppm | ASTM D6304* | >500 | 27 | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | 3019 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | 1094 | --- | --- |
| Particles >14µm | | ASTM D7647 | >160 | 144 | --- | --- |
| Particles >21µm | | ASTM D7647 | >40 | 51 | --- | --- |
| Particles >38µm | | ASTM D7647 | >10 | 5 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 1 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 19/17/14 | --- | --- |
| 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 | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Boron | ppm | ASTM D5185(m) | 5 | <1 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 5 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 5 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 25 | <1 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 200 | 3 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 300 | 395 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 370 | 236 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 2500 | 815 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.57 | 0.40 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 46 | 44.4 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : ST45622 **Received** : 15 Apr 2024
Lab Number : 02628824 **Tested** : 16 Apr 2024
Unique Number : 5761956 **Diagnosed** : 16 Apr 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KF)

KUMI CANADA CORPORATION
 55 REAGENS INDUSTRIAL PKWY
 BRADFORD, ON
 CA L3Z 0Z9
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T:
F: