

OIL ANALYSIS REPORT

ULTRA FG **INGERSOLL RAND CK7459U06214 - GILSTER MARY LEE** Component

Compressor

Recommendation

Resample at the next service interval to monitor.

Wear

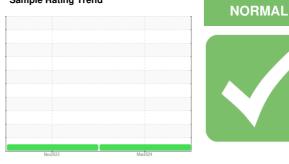
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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



Sample Rating Trend

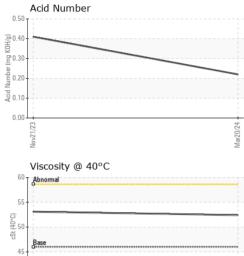


| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|------------------|---------------|-------------|------------|-------------|-------------|----------|
| Sample Number | | Client Info | | UCH0000525 | UCH06021633 | |
| Sample Date | | Client Info | | 20 Mar 2024 | 21 Nov 2023 | |
| Machine Age | hrs | Client Info | | 35383 | 32728 | |
| Oil Age | hrs | Client Info | | 2455 | 5523 | |
| Oil Changed | | Client Info | | Oil Added | Changed | |
| Sample Status | | | | NORMAL | NORMAL | |
| CONTAMINATIO | N | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.1 | NEG | NEG | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | 0 | 0 | |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | |
| Nickel | ppm | ASTM D5185m | | 0 | 0 | |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | |
| Silver | ppm | ASTM D5185m | | 0 | 0 | |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | 1 | |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | |
| Copper | ppm | ASTM D5185m | >50 | 4 | 27 | |
| Tin | ppm | ASTM D5185m | >15 | 0 | 0 | |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | |
| Barium | ppm | ASTM D5185m | | <1 | 0 | |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | |
| Magnesium | ppm | ASTM D5185m | | 0 | 3 | |
| Calcium | ppm | ASTM D5185m | | 56 | 34 | |
| Phosphorus | ppm | ASTM D5185m | | 299 | 268 | |
| Zinc | ppm | ASTM D5185m | | 0 | 5 | |
| Sulfur | ppm | ASTM D5185m | | 636 | 398 | |
| CONTAMINANTS | 3 | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 0 | 0 | |
| Sodium | ppm | ASTM D5185m | | 13 | 25 | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 6 | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.22 | 0.41 | |



Abnorma 40 Nov21/23

OIL ANALYSIS REPORT



| VISUAL | | method | limit/base | current | history1 | history2 |
|--|--|---|---|---|--|------------------------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | |
| Silt | scalar | *Visual | NONE | NONE | NONE | |
| Debris | scalar | *Visual | NONE | NONE | NONE | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| Appearance | scalar | *Visual | NORML | NORML | NORML | |
| Odor | scalar | *Visual | NORML | NORML | NORML | |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | |
| Free Water | scalar | *Visual | | NEG | NEG | |
| FLUID PROPER | TIES | method | limit/base | current | history1 | history2 |
| Visc @ 40°C | cSt | ASTM D445 | 46.0 | 52.4 | 53.1 | |
| SAMPLE IMAGE | S | method | limit/base | current | history1 | history2 |
| Color | | | | | | no image |
| Bottom | | | | | | no image |
| GRAPHS | | | | | | |
| Ferrous Alloys | | | | | | |
| ¹⁰ | | | | | | |
| o and the second | | | | | | |
| E 6 | | | | | | |
| 2 | | | | | | |
| | | | | | | |
| 1/23 | | | 0/24 | | | |
| Nov2 | | | Mar2 | | | |
| Non-ferrous Meta | als | | | | | |
| 30 Copper 1 | | | | | | |
| 20 | | | | | | |
| | | | | | | |
| 10- | | | | | | |
| 0 | ******* | | | | | |
| 21/23 | | | 20/24 | | | |
| Navi | | | Marí | | | |
| , - | | | | Acid Number | | |
| 60 Abnormal | | | €0.50 | | | |
| 55 | | | HO 0.40 | | | |
| 9 | | | ٤ 0.30 | | | |
| 성 45- Base | | | ĝ 0.20 | | | |
| Abnormal | | | 2 0.10 | | | |
| 40 | | | 0.00 | /23 | | |
| Vav21. | | | Mar20 | Vov21 | | |
| | 01 Madiso | | | JOHN | | ER COMPAN |
| : WearCheck USA - 50 : UCH0000525 : 06132119 : 10951584 : IND 2 | Recei Teste Diagn | d : 29 | 8 Mar 2024 9 Mar 2024 Apr 2024 - Jonath | | | NT LOUIS, M US 6313 |
| : UCH0000525 : : 06132119 | Teste Diagn | d : 29 losed : 02 | Mar 2024 Apr 2024 - Jonath | | SAII | NT LOUIS, M US 6313 |
| | Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPER Visc @ 40°C SAMPLE IMAGE Color Bottom GRAPHS Ferrous Alloys Terrous Metal Color Non-ferrous Metal Color Non-ferrous Metal Color | Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Color scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar Color cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys | Yellow Metal scalar *Visual Precipitate scalar *Visual Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Bottom Image: Scalar sca | Yellow Metal scalar 'Visual NONE Precipitate scalar 'Visual NONE Silt scalar 'Visual NONE Debris scalar 'Visual NONE Sand/Dirt scalar 'Visual NONE Appearance scalar 'Visual NORML Odor scalar 'Visual NORML Odor scalar 'Visual NORML Emulsified Water scalar 'Visual >0.1 Free Water scalar 'Visual >0.1 Free Water scalar 'Visual >0.1 Feree Water scalar 'Visual >0.1 SAMPLE IMAGES method limit/base Color Imit/base Imit/base GrapHS Ferrous Alloys Imit/base Imit base Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base Imit base Imit/base Imit/base Imit/base Imit base Imit/base Imitbase Imit/base | 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 Odor scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Color cscalar *Visual NO 52.4 SAMPLE IMAGES method imit/base current Color Bottom imit/base current Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Mid Aid Number Ogg Ogg Aid Number Ogg | |

Submitted By: RACHEL VON HATTEN