

OIL ANALYSIS REPORT

Area WHEY [1718875] Machine Id **PO02PP03BB01** Component

Bearing Fluid

MOBIL SHC 626 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

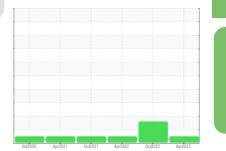
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.



Sample Rating Trend

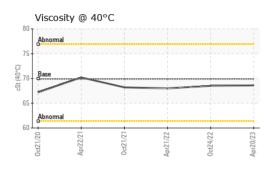


NORMAL

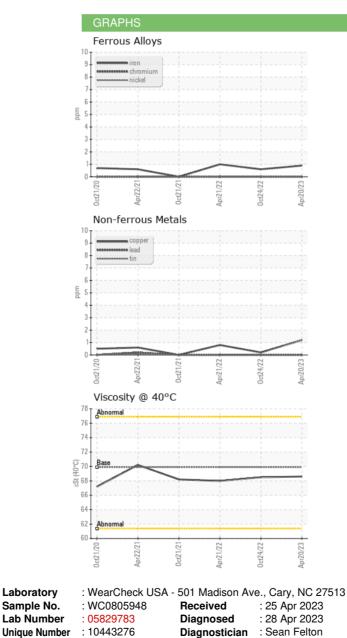
| | | | Apr2021 Oct2021 | Apr2022 Oct2022 | Apr2023 | |
|---|---|--|--|---|--|--|
| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | WC0805948 | WC0747495 | WC0685574 |
| Sample Date | | Client Info | | 20 Apr 2023 | 24 Oct 2022 | 21 Apr 2022 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >20 | <1 | <1 | 1 |
| Chromium | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >20 | 0 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >20 | 1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Antimony | ppm | ASTM D5185m | | | | |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| | | | | <1 | 4 | 4 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Manganese Magnesium | ppm ppm | ASTM D5185m ASTM D5185m | | 1 | < I 0 | <1 |
| - | | | | | | |
| Magnesium | ppm | ASTM D5185m ASTM D5185m ASTM D5185m | | 1 | 0 | 0 |
| Magnesium Calcium | ppm ppm | ASTM D5185m ASTM D5185m | | 1 0 | 0 0 | 0 0 |
| Magnesium Calcium Phosphorus | ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m | | 1 0 462 | 0 0 472 | 0 0 447 |
| Magnesium Calcium Phosphorus Zinc | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | limit/base | 1 0 462 2 | 0 0 472 1 | 0 0 447 <1 |
| Magnesium Calcium Phosphorus Zinc Sulfur | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | | 1 0 462 2 70 | 0 0 472 1 70 | 0 0 447 <1 38 |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS | ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method | | 1 0 462 2 70 current | 0 0 472 1 70 history1 | 0 0 447 <1 38 history2 |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | | 1 0 462 2 70 current 0 | 0 0 472 1 70 history1 <1 | 0 0 447 <1 38 history2 <1 |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >15 | 1 0 462 2 70 <u>current</u> 0 <1 | 0 0 472 1 70 history1 <1 <1 | 0 0 447 <1 38 history2 <1 <1 |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >15 >20 | 1 0 462 2 70 current 0 <1 0 | 0 0 472 1 70 history1 <1 <1 <1 0 | 0 0 447 <1 38 history2 <1 <1 <1 0 |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL | ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >15 >20 limit/base | 1 0 462 2 70 current 0 <1 0 current | 0 0 472 1 70 history1 <1 <1 0 history1 | 0 0 447 <1 38 history2 <1 <1 0 history2 |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal | ppm ppm ppm ppm ppm ppm ppm ppm scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >15 >20 limit/base NONE | 1 0 462 2 70 <u>current</u> 0 <1 0 <u>current</u> NONE | 0 0 472 1 70 <u>history1</u> <1 <1 0 <u>history1</u> NONE | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal | ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XFM D5185m ASTM D5185m XFM D5185m | >15 >20 limit/base NONE NONE | 1 0 462 2 70 current 0 <1 0 current NONE NONE | 0 0 472 1 70 history1 <1 <1 0 history1 NONE NONE | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE NONE |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual | >15 >20 limit/base NONE NONE NONE | 1 0 462 2 70 current 0 <1 0 current NONE NONE NONE | 0 0 472 1 70 history1 <1 <1 <1 0 history1 NONE NONE NONE NONE | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE NONE NONE NONE |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XaSTM D5185m Visual *Visual *Visual *Visual | >15 >20 limit/base NONE NONE NONE NONE | 1 0 462 2 70 <u>current</u> 0 <1 0 <1 0 <u>current</u> NONE NONE NONE NONE | 0 0 472 1 70 history1 <1 <1 <1 0 history1 NONE NONE NONE NONE NONE | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE NONE NONE NONE NONE |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XaSTM D5185m *Visual *Visual *Visual *Visual *Visual | >15 >20 limit/base NONE NONE NONE NONE NONE | 1 0 462 2 70 current 0 <1 0 <1 0 current NONE NONE NONE NONE NONE NONE | 0 0 472 1 70 history1 <1 <1 <1 0 history1 NONE NONE NONE NONE NONE NONE NONE | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE NONE NONE NONE NONE LIGHT |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual | >15 >20 Iimit/base NONE NONE NONE NONE NONE NONE | 1 0 462 2 70 <u>current</u> 0 <1 0 current NONE NONE NONE NONE NONE NONE NONE | 0 0 472 1 70 history1 <1 <1 0 history1 NONE NONE NONE NONE NONE NONE NONE NON | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE NONE NONE NONE NONE LIGHT NONE |
| Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual | >15 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE | 1 0 462 2 70 current 0 <1 0 current NONE NONE NONE NONE NONE NONE NONE NON | 0 0 472 1 70 history1 <1 <1 0 ////////////////////////////// | 0 0 447 <1 38 history2 <1 <1 <1 0 history2 NONE NONE NONE NONE LIGHT NONE LIGHT NONE NONE |



OIL ANALYSIS REPORT



| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 69.9 | 68.6 | 68.5 | 68.0 |
| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
| Color | | | | | | |
| Bottom | | | | (Gal) | | |



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 Certificate 12367
 Test Package
 : IND 1

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - 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)

Submitted By: MICHAEL VILLASENOR

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