

OIL ANALYSIS REPORT



Machine Id **MLU-1** Component **Outboard Pump** Fluid **ROYAL PURPLE SYNFILM GT 32 (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

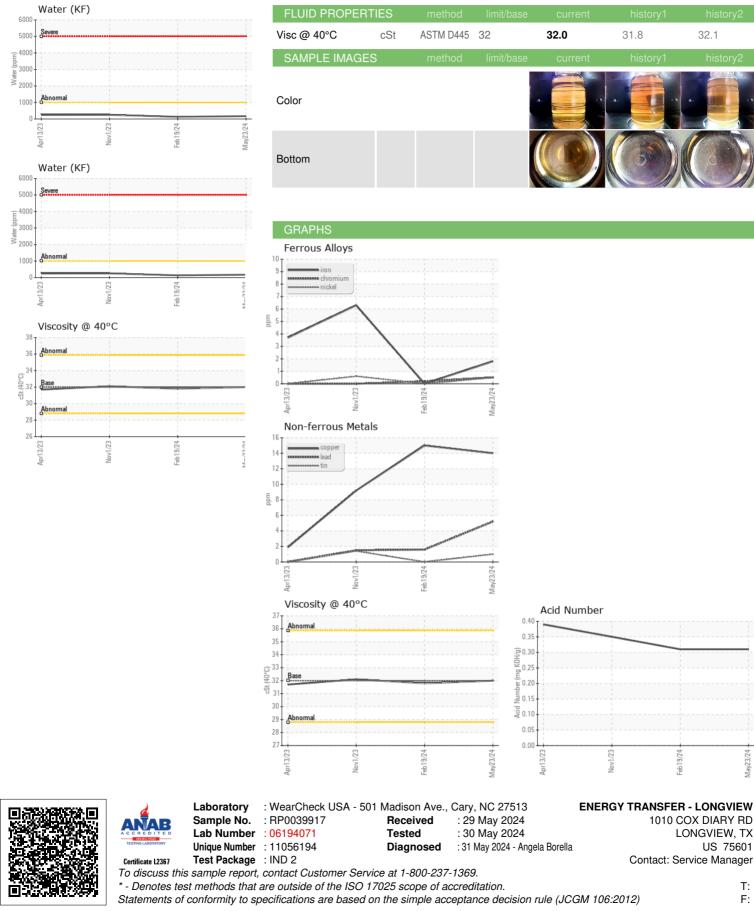
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
|------------------|---------------|-------------|-----------------|-------------|-----------------|----------------|
| Sample Number | | Client Info | | RP0039917 | RP0036097 | RP0037132 |
| Sample Date | | Client Info | | 23 May 2024 | 19 Feb 2024 | 01 Nov 2023 |
| 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 | NORMAL | NORMAL |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| | | | | | | |
| Iron Chromium | ppm | ASTM D5185m | >90 | 2 <1 | 0 | 6 |
| | ppm | ASTM D5185m | >5 | | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | >3 | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | | 1 | 0 | <1 |
| Lead | ppm | ASTM D5185m | >12 | 5 | 2 | 2 |
| Copper | ppm | ASTM D5185m | >30 | 14 | 15 | 9 |
| Tin | ppm | ASTM D5185m | >9 | 1 | 0 | 1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | | 66 | 57 | 85 |
| Calcium | ppm | ASTM D5185m | | 0 | 0 | 4 |
| Phosphorus | ppm | ASTM D5185m | | 5 | 0 | 4 |
| Zinc | ppm | ASTM D5185m | | 0 | 0 | 0 |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >60 | 22 | 19 | 14 |
| Sodium | ppm | ASTM D5185m | | 23 | 10 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 0 | <1 |
| Water | % | ASTM D6304 | >.1 | 0.017 | 0.013 | 0.025 |
| ppm Water | ppm | ASTM D6304 | >1000 | 175 | 130 | 255 |
| FLUID DEGRADA | | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | ma KOH/a | ASTM D8045 | | 0.31 | 0.31 | 0.35 |
| () | ing itoning | | 11.00011/000000 | | | |
| VISUAL | | method | limit/base | current | history1 | history2 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >.1 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | Submitted By: S | ervice Manager |
| | | | | | | Page 1 of 2 |

Report Id: ENELONRP [WUSCAR] 06194071 (Generated: 05/31/2024 0 Free Wate



OIL ANALYSIS REPORT



Submitted By: Service Manager Page 2 of 2

/lav23/24

T:

F: