

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

TADANO 1600-58P Component Hydraulic System SHELL TELLUS T32 (250 GAL)

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) 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 INFORM | MATION | method | limit/base | current | history1 | history2 |
|------------------|----------|--------------|------------|---------------|---------------|-------------|
| Sample Number | | Client Info | | WC0917867 | | |
| Sample Date | | Client Info | | 28 Mar 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Filtered | | |
| Sample Status | | | | ATTENTION | | |
| CONTAMINATIO | N | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.05 | NEG | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >20 | 1 | | |
| 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 | <1 | | |
| Tin | ppm | ASTM D5185m | >20 | 0 | | |
| Vanadium | ppm | ASTM D5185m | 0 | <1 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | <1 | | |
| Molybdenum | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | ASTM D5185m | | 0 | | |
| Magnesium | ppm | ASTM D5185m | | 50 | | |
| Calcium | ppm | ASTM D5185m | 48 | 13 | | |
| Phosphorus | ppm | ASTM D5185m | 337 | 336 | | |
| Zinc | ppm | ASTM D5185m | 426 | 290 | | |
| Sulfur | | ASTM D5185m | 2280 | 894 | | |
| | ppm | | | | | |
| CONTAMINANTS | | method | limit/base | | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >15 | 1 | | |
| Sodium | ppm | ASTM D5185m | | 2 | | |
| Potassium | ppm | ASTM D5185m | >20 | 2 | | |
| FLUID CLEANLIN | IESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >2500 | 0 3705 | | |
| Particles >6µm | | ASTM D7647 | >320 | 205 | | |
| Particles >14µm | | ASTM D7647 | | 28 | | |
| Particles >21µm | | ASTM D7647 | >20 | 7 | | |
| Particles >38µm | | ASTM D7647 | >4 | 0 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >18/15/13 | 19/15/12 | | |
| FLUID DEGRADA | ATION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | .6 | 0.46 | | |
| 48·49) Rev: 1 | 5 0 | | | | n: CHRIS BASN | AKE - SPAFR |

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Contact/Location: CHRIS RASNAKE - SPAFRA



15 anticles

21

0

<u>8</u> 31

2

11 0

0.70

Acid 1

0.10

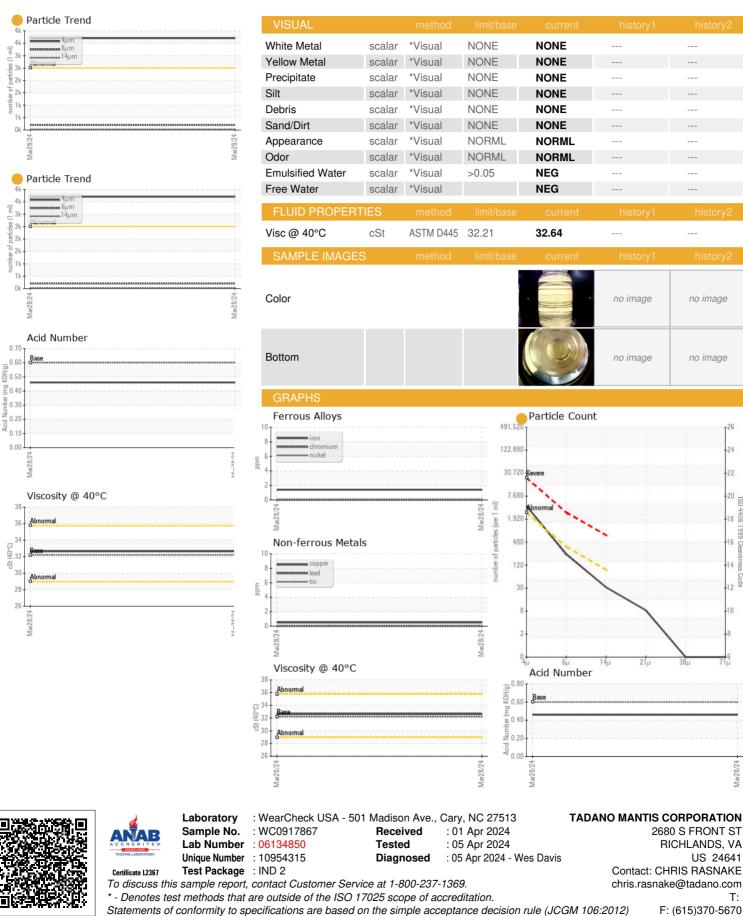
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