

OIL ANALYSIS REPORT

NORMAL

Machine Id

FES TYSGOO 2-800 (S/N 0031701B)

Refrigeration Compressor

USPI 1009-68 SC (185 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. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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



SAMPLE INFORMATION method USP246525 USP247165 USP0001419 Sample Number **Client Info** Sample Date Client Info 27 Apr 2024 16 Jan 2024 08 Oct 2023 0 Machine Age hrs **Client Info** 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A NORMAL Sample Status NORMAL NORMAL WEAR METALS >8 0 0 Iron ppm ASTM D5185m <1 Chromium ASTM D5185m >2 0 0 0 ppm Nickel ppm ASTM D5185m 0 0 0 Titanium ASTM D5185m 0 0 ppm <1 0 0 Silver ppm ASTM D5185m >2 0 Aluminum ASTM D5185m >3 0 <1 0 ppm Lead ASTM D5185m >2 0 0 0 ppm ASTM D5185m 0 Copper >8 0 ppm <1 0 Tin ppm ASTM D5185m >4 0 0 Vanadium ASTM D5185m 0 0 0 ppm Cadmium ppm ASTM D5185m 0 0 0 0 0 0 Boron ppm ASTM D5185m Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum 0 ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1 <1 0 ASTM D5185m 0 Magnesium ppm <1 0 0 Calcium ppm ASTM D5185m <1 0 Phosphorus ppm ASTM D5185m 0 0 Zinc ASTM D5185m 0 2 0 ppm 50 0 0 Sulfur ASTM D5185m 0 ppm CONTAMINANTS Silicon ppm ASTM D5185m >15 0 0 <1 0 0 Sodium ppm ASTM D5185m 1 Potassium ASTM D5185m >20 0 0 <1 ppm 0.002 0.00 0.001 Water % ASTM D6304 >0.01 23 9 ppm Water ppm ASTM D6304 >100 10.5 FLUID CLEANLINESS >10000 2155 Particles >4µm ASTM D7647 8931 7051 >2500 580 1335 Particles >6µm ASTM D7647 1915 Particles >14µm ASTM D7647 >320 51 33 29 Particles >21µm ASTM D7647 >80 5 7 5 Particles >38µm ASTM D7647 >20 0 0 0 Particles >71µm ASTM D7647 0 0 0 >4

>20/18/15

0.005

ISO 4406 (c)

ASTM D974

20/18/13

0.013

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Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION

mg KOH/g

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18/16/12

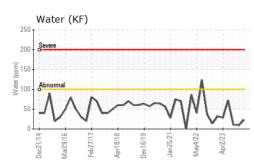
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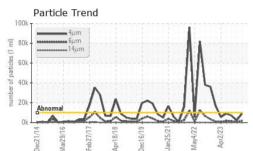
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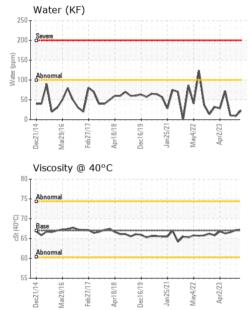
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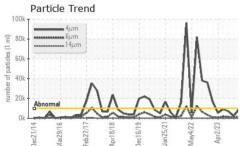


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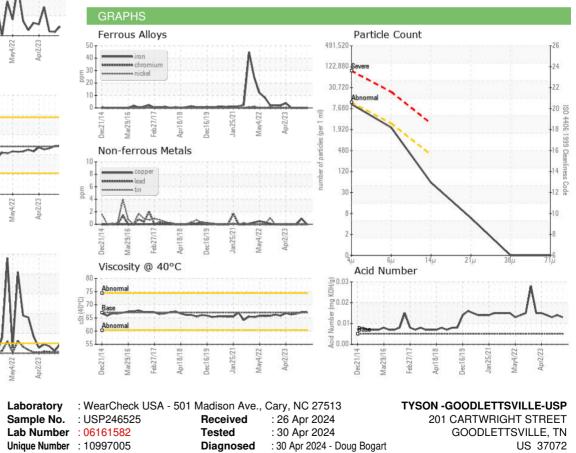


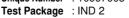












To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

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Contact: JOHN BAKER

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Certificate 12367

Contact/Location: JOHN BAKER - TYSGOO