

## Machine Id NESTLE WATERS CHILLER 2 (S/N 10241E65075475)

## **Refrigeration Compressor**

FRICK COMPRESSOR OIL #11 (150 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

- WW	

All component wear rates are normal.

## CONTAMINATION

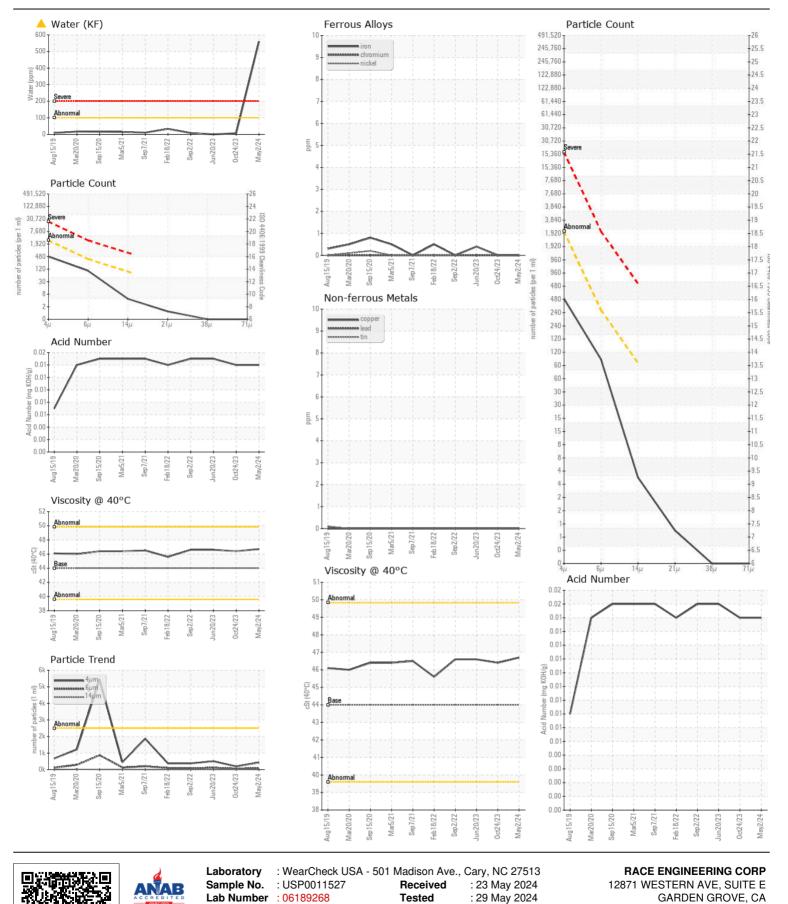
There is a trace of moisture present in the oil(confirmed). The amount and size of particulates present in the system are acceptable.

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## FLUID CONDITION

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

TestUOMMethodLimit/AbnCurrentHistory1Sample NumberClient InfoUSP0011527USP2083Sample DateClient Info02 May 202424 Oct 200Machine AgehrsClient Info02 May 202424 Oct 200Machine AgehrsClient Info00Oil AgehrsClient Info00Filter AgehrsClient Info0406Oil ChangedClient InfoN/ANot ChangedFilter ChangedClient InfoN/ANot ChangedIronppmASTM D5185m >800	23 20 Jun 2023 0 0 0 gd N/A gd N/A
Sample DateClient Info02 May 202424 Oct 200Machine AgehrsClient Info3455634011Oil AgehrsClient Info00Filter AgehrsClient Info0406Oil ChangedClient InfoN/ANot ChangedFilter ChangedClient InfoN/ANot ChangedSample StatusMARGINALNORMA	23 20 Jun 2023 0 0 0 gd N/A L NORMAL <1 0
Machine AgehrsClient Info3455634011Oil AgehrsClient Info00Filter AgehrsClient Info0406Oil ChangedClient InfoN/ANot ChangedFilter ChangedClient InfoN/ANot ChangedSample StatusMARGINALNORMA	0 0 0 gd N/A gd N/A L NORMAL <1 0
Oil Age hrs Client Info 0 0   Filter Age hrs Client Info 0 406   Oil Changed Client Info N/A Not Changed   Filter Changed Client Info N/A Not Changed   Sample Status MARGINAL NORMA	0 0 gd N/A L NORMAL <1 0
Filter Age   hrs   Client Info   0   406     Oil Changed   Client Info   N/A   Not Changed     Filter Changed   Client Info   N/A   Not Changed     Sample Status   MARGINAL   NORMA	0 gd N/A gd N/A L NORMAL <1 0
Oil Changed Client Info N/A Not Changed   Filter Changed Client Info N/A Not Changed   Sample Status MARGINAL NORMA	gd N/A gd N/A L NORMAL <1 0
Filter Changed Client Info N/A Not Changed   Sample Status MARGINAL NORMA	gd N/A L NORMAL <1 0
Filter Changed Client Info N/A Not Changed   Sample Status MARGINAL NORMA	gd N/A L NORMAL <1 0
Sample Status MARGINAL NORMA	<1 0
Iron ppm ASTM D5185m >8 0 0	0
Iron ppm ASTM D5185m >8 0 0	0
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Chromium     ppm     ASTM D5185m     >2     0     0	<1
Nickel ppm ASTM D5185m 0 0	
Titanium     ppm     ASTM D5185m     0     <1	0
Silver ppm ASTM D5185m >2 <1 0	0
Aluminum     ppm     ASTM D5185m     >3     0     1	0
Lead ppm ASTM D5185m >2 0 0	0
Copper ppm ASTM D5185m >8 0 0	0
Tin     ppm     ASTM D5185m     >4     0     0	0
Vanadium ppm ASTM D5185m 0 0	0
White Metal scalar *Visual NONE NONE NONE	E NONE
Yellow Metal scalar *Visual NONE NONE NONE	E NONE
Silicon ppm ASTM D5185m >15 <1 0	<1
Potassium ppm ASTM D5185m >20 0 1	0
Water % ASTM D6304 >0.01 <b>0.055</b> 0.001	0.00
ppm Water ppm ASTM D6304 >100 🔺 559 7	0.00
Particles >4μm     ASTM D7647     >2500     431     196	507
Particles >6μm ASTM D7647 >320 88 60	120
Particles >14μm ASTM D7647 >80 4 10	12
Particles >21μm     ASTM D7647     >20     1     4	5
Particles >38μm ASTM D7647 >4 0 0	1
Particles >71μm ASTM D7647 >3 0 0	0
Oil Cleanliness ISO 4406 (c) >18/15/13 16/14/9 15/13/	10 16/14/11
Silt scalar *Visual NONE NONE NONE	E NONE
Debris scalar *Visual NONE NONE NONE	E NONE
Sand/Dirt scalar *Visual NONE NONE NONE	E NONE
Appearance scalar *Visual NORML NORML NORM	IL NORML
Odor scalar *Visual NORML NORML NORM	IL NORML
Emulsified Water scalar *Visual >0.01 NEG NEG	NEG
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Sodium ppm ASTM D5185m <1 0	0
Boron ppm ASTM D5185m 0 0	0
Barium ppm ASTM D5185m 0 0	2
Molybdenum ppm ASTM D5185m 0 0	0
Manganese ppm ASTM D5185m 0 0	0
Magnesium ppm ASTM D5185m 0 0	0
Calcium ppm ASTM D5185m 0 0	0
Phosphorus ppm ASTM D5185m 2 0	<1
Zinc ppm ASTM D5185m 0 0	0
Sulfur     ppm     ASTM D5185m     0     0	0
Acid Number (AN) mg KOH/g ASTM D974 0.014 0.014	0.015
Visc @ 40°C cSt ASTM D445 44.0 46.7 46.4	46.6





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)

Certificate L2367

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US 92841

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