

OIL ANALYSIS REPORT

NORMAL

Machine Id

FRICK BOOSTER 31 1064

Refrigeration Compressor

USPI 1009-68 SC (--- GAL)

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.

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p2002	May2005	Mar2007	May2009	Jul2011	Aug2013	Jul2019	Apr2022
P2002	may2003	111012007	1110yZ003	Juizoff	MU02013	00/2013	MULVEL

Machine AgehrsClient Info786137512873413Oil AgehrsClient Info000Oil ChangedClient InfoN/AN/AN/ASample StatusImage: Client InfoNORMALATTER	y 2023
Machine AgehrsClient Info 78613 7512873413Oil AgehrsClient Info000Oil ChangedClient InfoN/AN/AN/ASample StatusImageImageNORMALNORMALWEAR METALSmethodIimit/basecurrenthistory1IronppmASTM D5185m>822	NTION
Oil Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Oil Changed Client Info N/A N/A N/A N/A Sample Status method limit/base current history1 hi WEAR METALS ppm ASTM D5185m >8 2 2 2	NTION
Oil Changed Client Info N/A N/A N/A N/A Sample Status Image: Client Info NORMAL NORMAL ATTER WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >8 2 2 2	
Oil Changed Client Info N/A N/A N/A Sample Status Image: Client Info NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >8 2 2 2	
Sample StatusNORMALNORMALATTERWEAR METALSmethodlimit/basecurrenthistory1history1IronppmASTM D5185m>8222	
Iron ppm ASTM D5185m >8 2 2 2	story2
	Storyz
Chromium ppm ASTM D5185m >2 <1 <1 0	
Nickel ppm ASTM D5185m <1 0 0	
Titanium ppm ASTM D5185m <1 0 0	
Silver ppm ASTM D5185m >2 0 0 0	
Aluminum ppm ASTM D5185m >3 2 0 0	
Lead ppm ASTM D5185m >2 0 0 0	
Copper ppm ASTM D5185m >8 <1 <1 <1	
Tin ppm ASTM D5185m >4 <1 0 0	
Vanadium ppm ASTM D5185m <1 <1 0	
Cadmium ppm ASTM D5185m <1 0 0	
ADDITIVES method limit/base current history1 hi	story2
Boron ppm ASTM D5185m 0 0 0	
Barium ppm ASTM D5185m <1 0 0	
Molybdenum ppm ASTM D5185m <1 0 0	
Manganese ppm ASTM D5185m 0 0 0	
Magnesium ppm ASTM D5185m <1 0 0	
Calcium ppm ASTM D5185m <1 <1 <1	
Phosphorus ppm ASTM D5185m 0 0 0	
Zinc ppm ASTM D5185m 0 0 0	
Sulfur ppm ASTM D5185m 50 0 0 14	
CONTAMINANTS method limit/base current history1 hi	story2
Silicon ppm ASTM D5185m >15 <1 0 0	
Sodium ppm ASTM D5185m 0 <1	
Potassium ppm ASTM D5185m >20 1 <1 0	
Water % ASTM D6304 >0.01 0.005 0.006 0.00	38
ppm Water ppm ASTM D6304 >100 58 68.2 81.4	3
FLUID CLEANLINESS method limit/base current history1 hi	story2
Particles >4μm ASTM D7647 >10000 3429 1376 0 137	97
Particles >6µm ASTM D7647 >2500 1117 384 395	9
Particles >14μm ASTM D7647 >320 75 18 151	
Particles >21µm ASTM D7647 >80 11 3 20	
Particles >38μm ASTM D7647 >20 0 0 0	
Particles >71µm ASTM D7647 >4 0 0 0	
	19/14
FLUID DEGRADATION method limit/base current history1 hi	story2

Acid Number (AN)

mg KOH/g ASTM D974 0.005

Contact/Location: DAVID WEYNAND - BLUBRE

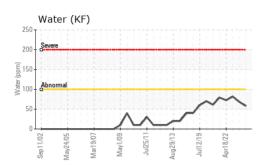
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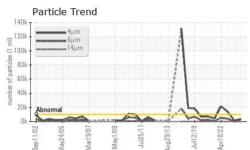
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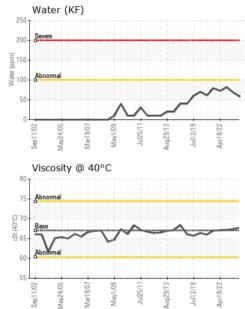
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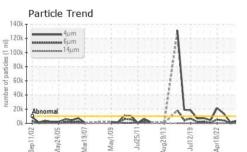


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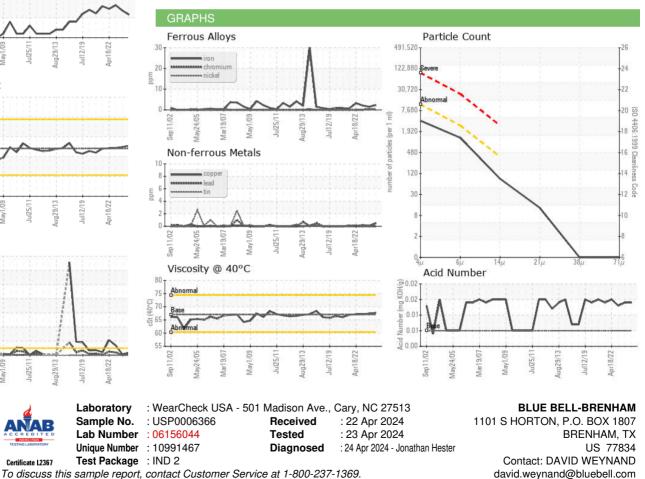








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67	67.7	67.4	67.2
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color				•	NH3 BY Frish Read By Contract of the State By Contract of the State Contract of the Stat	BL WC.5 BLAN
Bottom						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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