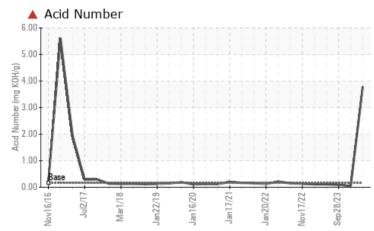


PROBLEM SUMMARY

Machine Id INGERSOLL RAND 2 INGERSOLL RAND 100HP (S/N NF50403U04349) Component Air Compressor

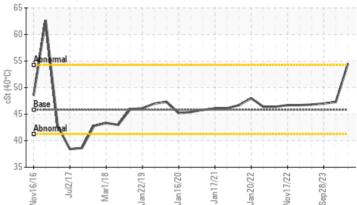
Fluid USPI MAX FG AIR 46 (--- LTR)

COMPONENT CONDITION SUMMARY



Viscosity @ 40°C

DEGRADATION



RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	NORMAL	NORMAL		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	3.78	0.05	0.091		
Visc @ 40°C	cSt	ASTM D445	45.8	6 54.5	47.3	47.0		

Sample Rating Trend

Customer Id: CARNEB Sample No.: USPM6145897 Lab Number: 06145897 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.			
Flush System			?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS



28 Dec 2023 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report



28 Sep 2023 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



19 Jun 2023 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.









OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

X

Machine Id INGERSOLL RAND 2 INGERSOLL RAND 100HP (S/N NF50403U04349) Air Compressor

Fluid

USPI MAX FG AIR 46 (--- LTR)

DIAGNOSIS

Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

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.

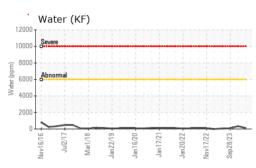
Fluid Condition

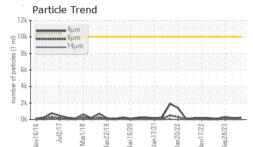
The AN level is above the recommended limit. The oil viscosity is higher than normal. Confirmed.

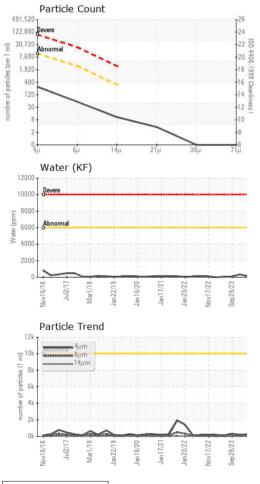
Sample NumberClient InfoUSPM31689USPM31689USPM32923Sample DateClient Info10 Apr 202428 Dec 202328 Sep 2023Machine AgehrsClient Info000Oil AgehrsClient InfoN/AN/AN/ASample StatusClient InfoN/AN/AN/AN/AMEAR METALSmethodImiteCurrentNorMALNorMALIronppmASTM 05165>50000ChromiumppmASTM 05165>44000NickelppmASTM 05165>44000SilverppmASTM 05165>44000SilverppmASTM 05165>10000CopperppmASTM 05165>10000CopperppmASTM 05165>50000VanadiumppmASTM 05165>50000ResppmASTM 05165>50000CopperppmASTM 05165>50000NameppmASTM 051650000MagenesppmASTM 051650000MagenesppmASTM 051650000MandelppmASTM 051650000MagenesppmASTM 051650000<	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status ESEVERE NORMAL NORMAL NORMAL WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >44 0 0 0 Nickel ppm ASTM D5185m >44 0 0 0 Titanium ppm ASTM D5185m >40 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Cadmium ppm ASTM D5185m >50 0 0 0 Cadmium ppm ASTM D5185m >50 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 0 Maganese	Sample Number		Client Info		USPM6145897	USPM31689	USPM29781
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status o Imitod Imit/Dase current history1 history2 Iron ppm ASTM 05185m >50 0 0 0 Othormium ppm ASTM 05185m >4 0 0 0 Nickel ppm ASTM 05185m >4 0 0 0 Aluminum ppm ASTM 05185m >20 0 0 0 Copper ppm ASTM 05185m >20 0 0 0 Cadmium ppm ASTM 05185m >5 0 0 0 Cadmium ppm ASTM 05185m >5 0 0 0 Striu 05185m 0 0 0 0 0 0 Cadmium ppm ASTM 05185m 0 0 0 0	Sample Date		Client Info		10 Apr 2024	28 Dec 2023	28 Sep 2023
Oil Changed Sample Status Client Info N/A N/A N/A N/A WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Chromium ppm ASTM D5185m >44 0 0 0 Nickel ppm ASTM D5185m >44 0 0 0 Intanium ppm ASTM D5185m >44 0 0 0 Aluminum ppm ASTM D5185m >40 0 0 0 Lead ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0	Machine Age	hrs	Client Info		0	0	0
Sample Status method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >4 0 0 0 Nickel ppm ASTM D5185m >4 0 0 0 Silver ppm ASTM D5185m >10 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Cadmium ppm ASTM D5185m >5 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Magneseium ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 0	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >4 0 0 0 Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >10 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Magnaese ppm ASTM D5185m 0 0 0 0 Magnaese ppm ASTM D5185m 0 0 0 0	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >50 0 0 0 Chromium ppm ASTM D5185m >4 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Auminum ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Cadmium ppm ASTM D5185m >20 0 0 0 Addium ppm ASTM D5185m 0 0 0 0 Addium ppm ASTM D5185m 0 0 0 0 Addium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>SEVERE</th> <th>NORMAL</th> <th>NORMAL</th>	Sample Status				SEVERE	NORMAL	NORMAL
Chromium ppm ASTM D5185m >4 0 0 0 Nickel ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Astm D5185m 0 0 0 0 0 Aluminum ppm ASTM D5185m >20 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Vanadium ppm ASTM D5185m >5 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Astm D5185m 0 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Cadium ppm ASTM D5185m 0 0 0 0 Calcium ppm AST	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >4 0 0 0 Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 10 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 0 Copper ppm ASTM D5185m >40 0 <1 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 0 0 0	Iron	ppm	ASTM D5185m	>50	0	0	0
Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Marganese ppm ASTM D5185m 0 0 0 0 Marganese ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 35 0 0 Sulfur <th>Chromium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>4</th> <th>0</th> <th>0</th> <th>0</th>	Chromium	ppm	ASTM D5185m	>4	0	0	0
Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Tin ppm ASTM D5185m >5 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnanese ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 0 0 0	Nickel	ppm	ASTM D5185m	>4	0	0	0
Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >40 0 <1 0 Tin ppm ASTM D5185m >5 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Agnesium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 0	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >40 0 <1 0 Tin ppm ASTM D5185m >5 0 0 0 Vanadium ppm ASTM D5185m 5 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Marganese ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 35 0 0 Sulfur ppm ASTM D5185m 0 35 0	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >40 0 <1	Aluminum	ppm	ASTM D5185m	>10	0	0	0
Copper ppm ASTM D5185m >40 0 <1	Lead			>20	0	0	0
Tin ppm ASTM D5185m >5 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Mainganese ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 25 <1 <1 <1 0	Copper		ASTM D5185m	>40	0	<1	0
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 <1 0 0 Maganese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0 0 0 0 0 Vanganese ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 1 1 Sulfur ppm ASTM D5185m 0 0 0 0 0 Sodium ppm ASTM D5185m >20 0 2 0 0 0 0 0 0 0			ASTM D5185m	>5	0		0
Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesse ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 35 0 0 Sulfur ppm ASTM D5185m >25 <1 <1 <1 Sulfur ppm ASTM D5185m >20 0 22 0	Vanadium				-		0
Boron ppm ASTM D5185m 0 <1	Cadmium				0	0	0
Barium ppm ASTM D5185m 0 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 -<1 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 <1 0 0 Phosphorus ppm ASTM D5185m 0 0 0 0 0 Zinc ppm ASTM D5185m 0 0 0 0 1 Sulfur ppm ASTM D5185m 0 35 0 0 CONTAMINANTS method imit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >20 0 0.007 Pottassium ppm ASTM D5185m >20 0 0.007 ppm ASTM D5185m >20 0	Boron	ppm	ASTM D5185m	0	0	0	0
Manganese ppm ASTM D5185m 0 <1	Barium	ppm	ASTM D5185m	0	<1	0	0
Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 <1 0 0 Phosphorus ppm ASTM D5185m 0 0 0 0 Zinc ppm ASTM D5185m 0 0 0 1 Sulfur ppm ASTM D5185m 0 35 0 0 Sulfur ppm ASTM D5185m 0 35 0 0 Sulfur ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >20 0 22 0 Water % ASTM D5185m >20 0 0.033 0.007 ppm Water ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method Imit/base current	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium ppm ASTM D5185m 0 <1	Manganese	ppm	ASTM D5185m		0	<1	0
Phosphorus ppm ASTM D5185m 0 0 0 0 1 Zinc ppm ASTM D5185m 0 35 0 0 Sulfur ppm ASTM D5185m 0 35 0 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >25 <1 3 0 Potassium ppm ASTM D5185m >20 0 2 0 Water % ASTM D6304 >0.6 0.010 0.033 0.007 ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >14µm ASTM D7647 >20 9 11<	Magnesium	ppm	ASTM D5185m	0	0	0	0
Zinc ppm ASTM D5185m 0 0 35 0 1 Sulfur ppm ASTM D5185m 0 35 0 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 3 0 Potassium ppm ASTM D5185m >20 0 2 0 Water % ASTM D5085m >20 0 0.0033 0.007 ppm Water ppm ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water ppm ASTM D6304 >0.6 0.010 0.033 0.007 particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >14µm ASTM D7647 >320 9 11 8 Particles >21µm ASTM D7647 >20 0	Calcium	ppm	ASTM D5185m	0	<1	0	0
Sulfur ppm ASTM D5185m 0 35 0 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >20 0 2 0 Potassium ppm ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water % ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water ppm ASTM D6304 >0.60 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >20 9 11 8 Particles >14µm ASTM D7647 >20 0	Phosphorus	ppm	ASTM D5185m	0	0	0	0
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m<>25 <1 <1 <1 Sodium ppm ASTM D5185m >25 <1 <1 <1 Sodium ppm ASTM D5185m >20 0 2 0 Potassium ppm ASTM D5185m >20 0 0.033 0.007 Water % ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >14µm ASTM D7647 >320 9 11 8 Particles >38µm ASTM D7647 20 0 0 0	Zinc	ppm	ASTM D5185m	0	0	0	1
Silicon ppm ASTM D5185m<>25 <1 <1 <1 Sodium ppm ASTM D5185m <1 3 0 Potassium ppm ASTM D5185m >20 0 2 0 Water % ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >6µm ASTM D7647 >320 9 11 8 Particles >14µm ASTM D7647 >80 3 7 2 Particles >38µm ASTM D7647 >20 0 0 0 Particles >71µm ASTM D7647 >20 0 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10	Sulfur	ppm	ASTM D5185m	0	35	0	0
Sodium ppm ASTM D5185m <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 2 0 Water % ASTM D6304 >0.6 0.010 0.033 0.007 ppm ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >14µm ASTM D7647 >320 9 11 8 Particles >21µm ASTM D7647 >80 3 7 2 Particles >38µm ASTM D7647 >20 0 0 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10	Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Water % ASTM D6304 >0.6 0.010 0.033 0.007 ppm Water ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >6µm ASTM D7647 >320 9 11 8 Particles >21µm ASTM D7647 >80 3 7 2 Particles >38µm ASTM D7647 >20 0 0 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		<1	3	0
ppm Water ppm ASTM D6304 >6000 101 338 75.4 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >6µm ASTM D7647 >320 9 11 8 Particles >14µm ASTM D7647 >320 9 11 8 Particles >21µm ASTM D7647 >20 0 0 0 Particles >38µm ASTM D7647 >20 0 0 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0	2	0
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 257 156 316 Particles >6µm ASTM D7647 >2500 49 59 69 Particles >6µm ASTM D7647 >320 9 11 8 Particles >14µm ASTM D7647 >320 9 11 8 Particles >21µm ASTM D7647 >80 3 7 2 Particles >38µm ASTM D7647 >20 0 0 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>0.6	0.010	0.033	0.007
Particles >4μm ASTM D7647 >10000 257 156 316 Particles >6μm ASTM D7647 >2500 49 59 69 Particles >14μm ASTM D7647 >320 9 11 8 Particles >21μm ASTM D7647 >80 3 7 2 Particles >21μm ASTM D7647 >20 0 0 0 Particles >38μm ASTM D7647 >20 0 0 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>6000	101	338	75.4
Particles >6μm ASTM D7647 >2500 49 59 69 Particles >14μm ASTM D7647 >320 9 11 8 Particles >21μm ASTM D7647 >80 3 7 2 Particles >21μm ASTM D7647 >20 0 0 0 Particles >38μm ASTM D7647 >20 0 0 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >320 9 11 8 Particles >21μm ASTM D7647 >80 3 7 2 Particles >38μm ASTM D7647 >20 0 0 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2					257		
Particles >21 μm ASTM D7647 >80 3 7 2 Particles >38μm ASTM D7647 >20 0 0 0 Particles >38μm ASTM D7647 >20 0 0 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2							
Particles >38μm ASTM D7647 >20 0 0 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2							
Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2				>80		7	2
Oil Cleanliness ISO 4406 (c) >20/18/15 15/13/10 14/13/11 15/13/10 FLUID DEGRADATION method limit/base current history1 history2	•		ASTM D7647	>20			0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	15/13/10	14/13/11	15/13/10
Acid Number (AN) mg KOH/g ASTM D8045 0.16 A 3.78 0.05 0.091	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	3.78	0.05	0.091



OIL ANALYSIS REPORT



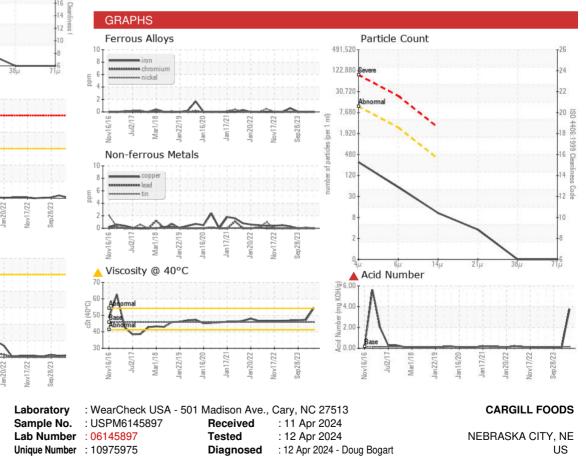


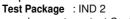


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.6	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	45.8	▲ 54.5	47.3	47.0
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						•

Bottom





- 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)

Report Id: CARNEB [WUSCAR] 06145897 (Generated: 04/12/2024 16:27:51) Rev: 1

Certificate 12367

Contact/Location: SERVICE MANAGER - CARNEB

Contact: SERVICE MANAGER

T:

F: