

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 0700AC08 (S/N U56534) Component

Air Compressor Fluid USPI FG AIR 46 (35 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

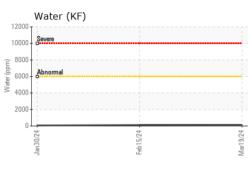
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

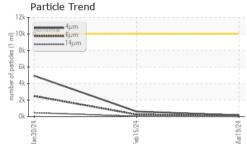
Sample Date Client Info 19 Mar 2024 15 Feb 2024 30 Jan 2024 Machine Age hrs Client Info 0 26495 0 Oil Age hrs Client Info 400 400 0 Oil Changed Client Info 400 Not Changd N/A Sample Status Imite Info Not Changd N/A ATTENTION WEAR METALS method Imitebase current history1 history2 Iron ppm ASTM 05165m >4 0 0 0 Nickel ppm ASTM 05165m >4 0 0 0 Aluminum ppm ASTM 05165m >10 0 2 <1 Lead ppm ASTM 05165m >20 0 0 0 Capper ppm ASTM 05165m >5 <1 0 <1 Vanadium ppm ASTM 05165m 0 0 0 0 Capper ppm <td< th=""><th>SAMPLE INFORM</th><th>IATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></td<>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 26495 0 Oil Age hrs Client Info 400 400 0 Oil Age hrs Client Info Not Changd Not Changd N/A Sample Status Imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >4 0 0 0 Silver ppm ASTM D5185m >0 0 0 0 Copper ppm ASTM D5185m >10 0 2 <1 Lead ppm ASTM D5185m >0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ASTM D5185m 0 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Rarium ppm	Sample Number		Client Info		USPM24724	USPM24723	USPM24722
Oil Age hrs Client Info 400 400 0 Oil Changed Client Info Not Changd N/A Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Ochromium ppm ASTM D5185m >4 0 0 0 Nickel ppm ASTM D5185m >4 0 0 0 Silver ppm ASTM D5185m >4 0 0 0 Aduminum ppm ASTM D5185m >20 0 0 0 Adapted ppm ASTM D5185m >20 0 0 0 Capper ppm ASTM D5185m 0 0 0 0 0 Adapted imit/base current history1 history2 1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium </th <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>19 Mar 2024</th> <th>15 Feb 2024</th> <th>30 Jan 2024</th>	Sample Date		Client Info		19 Mar 2024	15 Feb 2024	30 Jan 2024
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Barium ppm ASTM D5185m 0	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 1 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 0 1 1 1 Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 210 613 840 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 0 <1 <1 Potassium ppm ASTM D5185m 0 <1 <1 Vater % ASTM D6304 >0.6 0.008 0.012 0.006 ppm Water ppm ASTM D7647 >10000 156 614 4	Boron	ppm	ASTM D5185m	0	0	0	0
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Phosphorus ppm ASTM D5185m 0 1 1 1 Zinc ppm ASTM D5185m 0 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 210 613 840 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 0 <1	Magnesium	ppm	ASTM D5185m	0	0	0	0
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Sulfur ppm ASTM D5185m 0 210 613 840 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 0 <1 Sodium ppm ASTM D5185m >20 0 0 <1 Potassium ppm ASTM D5185m >20 0 0 1 Water % ASTM D6304 >0.6 0.0008 0.012 0.006 ppm Water ppm ASTM D6304 >0.6 0.008 0.012 0.006 ppm Water ppm ASTM D6304 >0.6 0.008 0.012 0.006 particles >4µm ASTM D7647 >10000 156 614 4942 Particles >4µm ASTM D7647 >2500 55 247 2485 Particles >14µm ASTM D7647 >320 9 38 459 Particles >21µm ASTM D7647 >20 0 0 </th <th>Phosphorus</th> <th>ppm</th> <th>ASTM D5185m</th> <th>0</th> <th>1</th> <th>1</th> <th>1</th>	Phosphorus	ppm	ASTM D5185m	0	1	1	1
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 0 <1 Sodium ppm ASTM D5185m >20 0 0 <1 Potassium ppm ASTM D5185m >20 0 0 1 Water % ASTM D5185m >20 0 0 1 Water % ASTM D5185m >20 0 0.012 0.006 ppm Water ppm ASTM D6304 >0.6 0.008 0.012 0.006 particles >4µm ASTM D647 >10000 84 123 62 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 156 614 4942 Particles >6µm ASTM D7647 >2500 55 247 2485 Particles >21µm ASTM D7647 20 0 3 <td< th=""><th>Zinc</th><th>ppm</th><th>ASTM D5185m</th><th>0</th><th>0</th><th>0</th><th>0</th></td<>	Zinc	ppm	ASTM D5185m	0	0	0	0
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Sodium ppm ASTM D5185m 0 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 0 1 Water % ASTM D6304 >0.6 0.008 0.012 0.006 ppm ASTM D6304 >6000 84 123 62 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 156 614 4942 Particles >6µm ASTM D7647 >2500 55 2477 2485 Particles >14µm ASTM D7647 >320 9 38 459 Particles >14µm ASTM D7647 >20 0 0 3 Particles >14µm ASTM D7647 >20 0 3 3 Particles >38µm ASTM D7647 >20 0 3 3 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION <th>Silicon</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>25</th> <th>0</th> <th>0</th> <th><1</th>	Silicon	ppm	ASTM D5185m	>25	0	0	<1
Water % ASTM D6304 >0.6 0.008 0.012 0.006 ppm Water ppm ASTM D6304 >6000 84 123 62 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 156 614 4942 Particles >6µm ASTM D7647 >2500 55 247 2485 Particles >14µm ASTM D7647 >320 9 38 459 Particles >14µm ASTM D7647 >320 9 38 459 Particles >21µm ASTM D7647 >80 2 10 85 Particles >38µm ASTM D7647 >20 0 0 3 Particles >71µm ASTM D7647 >4 0 0 0 0 OIl Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 histor	Sodium	ppm	ASTM D5185m		0	<1	<1
ppm Water ppm ASTM D6304 >6000 84 123 62 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 156 614 4942 Particles >6µm ASTM D7647 >2500 55 247 2485 Particles >14µm ASTM D7647 >320 9 38 459 Particles >14µm ASTM D7647 >320 9 38 459 Particles >21µm ASTM D7647 >20 0 0 3 Particles >38µm ASTM D7647 >20 0 0 3 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0	0	1
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 156 614 4942 Particles >6µm ASTM D7647 >2500 55 247 2485 Particles >14µm ASTM D7647 >320 9 38 459 Particles >21µm ASTM D7647 >80 2 10 85 Particles >38µm ASTM D7647 >20 0 0 3 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Water	%			0.008	0.012	0.006
Particles >4μm ASTM D7647 >10000 156 614 4942 Particles >6μm ASTM D7647 >2500 55 247 2485 Particles >14μm ASTM D7647 >320 9 38 459 Particles >21μm ASTM D7647 >80 2 10 85 Particles >21μm ASTM D7647 >20 0 0 3 Particles >38μm ASTM D7647 >20 0 0 3 Particles >71μm ASTM D7647 >4 0 0 0 Oli Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>6000	84	123	62
Particles >6μm ASTM D7647 >2500 55 247 2485 Particles >14μm ASTM D7647 >320 9 38 459 Particles >21μm ASTM D7647 >80 2 10 85 Particles >38μm ASTM D7647 >20 0 0 3 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >320 9 38 459 Particles >21μm ASTM D7647 >80 2 10 85 Particles >38μm ASTM D7647 >20 0 0 3 Particles >38μm ASTM D7647 >20 0 0 3 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm		ASTM D7647	>10000	156	614	4942
Particles >21μm ASTM D7647 >80 2 10 85 Particles >38μm ASTM D7647 >20 0 0 3 Particles >37μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>2500	55	247	2485
Particles >38μm ASTM D7647 >20 0 0 3 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>320	9	38	459
Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	2	10	85
Oil Cleanliness ISO 4406 (c) >20/18/15 14/13/10 16/15/12 19/18/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>20	0	0	3
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	14/13/10	16/15/12	9/18/16
Acid Number (AN) mg KOH/g ASTM D8045 0.15 0.48 0.82 1.12	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.15	0.48	0.82	1.12

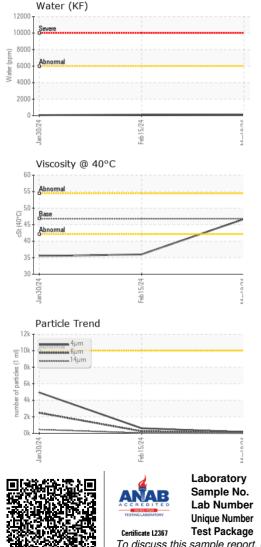
Page 1 of 2



OIL ANALYSIS REPORT

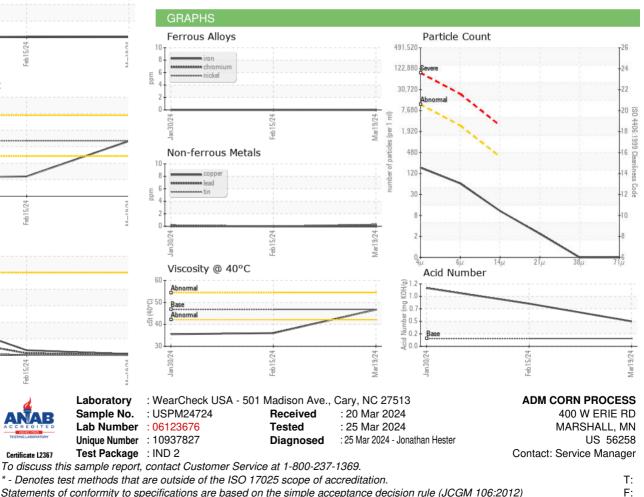






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	46.8	46.7	36.0	35.5
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color				a 00 -	. 6.	a. (1)

Bottom



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

Contact/Location: Service Manager - ADMMAR