

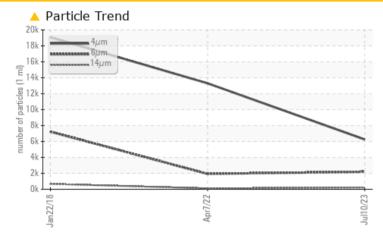
PROBLEM SUMMARY

KAESER AIRCENTER SM 15 2811028 (S/N 1013)

Compressor



COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS Sample Status ABNORMAL **ATTENTION** ABNORMAL Particles >6µm ASTM D7647 >1300 2198 **1**929 ▲ 7235 Particles >14µm ASTM D7647 >80 220 **112** ▲ 675 Particles >21µm ASTM D7647 >20 58 33 **1**63 **Oil Cleanliness** ISO 4406 (c) >--/17/13 **A 20/18/15 1**8/14 ▲ 20/17

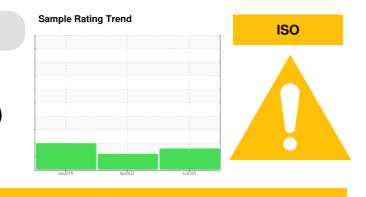
Customer Id: SIPJAC Sample No.: KCPA004572 Lab Number: 05901340 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

07 Apr 2022 Diag: Don Baldridge



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



22 Jan 2018 Diag: Angela Borella



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Machine Id KAESER AIRCENTER SM 15 2811028 (S/N 1013) Component

Compressor Fluid

KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

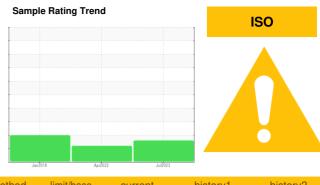
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

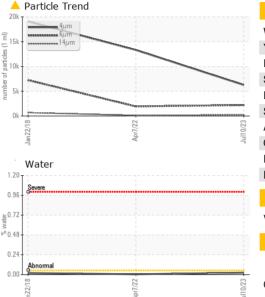


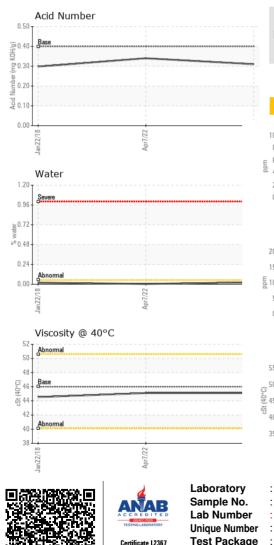
Sample Date Client Info 10 Jul 2023 07 Apr 2022 22 Jan 20 Machine Age hrs Client Info 26704 25117 18420 Oil Age hrs Client Info 0 6697 1682 0 Oil Age Client Info NA Changed Changed Changed Sample Status method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1 <1 <1 Chromium ppm ASTM D5185m >3 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >10 2 0 <1 0 Autominum ppm ASTM D5185m >10 0 0 <1 0 Autominum ppm ASTM D5185m >10 0 0 0 0 Cadamium ppm ASTM D5185m	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 26704 25117 18420 Oil Age hrs Client Info 0 6697 1682 Oil Changed Client Info N/A Changed Changed Sample Status method Imit/base current history1 ABNORMAL WEAR METALS method Imit/base current history1 history1 Iron ppm ASTM D5185m >50 <1 <1 <1 Chromium ppm ASTM D5185m >3 0 0 0 Nickel ppm ASTM D5185m >2 0 <1 0 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>KCPA004572</th><th>KCP44773</th><th>KCP08355</th></t<>	Sample Number		Client Info		KCPA004572	KCP44773	KCP08355
Oil Age hrs Client Info N/A Changed Changed Sample Status Client Info N/A Changed Changed Sample Status method limil/base current history1 ABNORMAL WEAR METALS method limil/base current history1 nistory1 Iron ppm ASTM D5185m >50 <1 <1 <1 Chromium ppm ASTM D5185m >30 0 0 0 Nickel ppm ASTM D5185m >30 0 0 0 Silver ppm ASTM D5185m >10 0 0 <11 0 Aluminum ppm ASTM D5185m >10 0 0 <11 0 Aluminum ppm ASTM D5185m >10 0 0 <11 0 Antimony ppm ASTM D5185m 0 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 0 Antimony ppm	Sample Date		Client Info		10 Jul 2023	07 Apr 2022	22 Jan 2018
Oil Changed Sample Status Client Info N/A Changed ABNORMAL Changed ATTENTION Changed ABNORMAL WEAR METALS method limit/base current history1 ABNORMAL Iron ppm ASTM D5185m >50 <1 <1 <1 Chromium ppm ASTM D5185m >30 0 0 0 Nickel ppm ASTM D5185m >30 0 0 0 Silver ppm ASTM D5185m >30 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >10 0 0 <1 Antimony ppm ASTM D5185m 0 0 0 <1 Antimony ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magneseium ppm ASTM D5185m 0 0 0 0 Molybdenum <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>26704</th> <th>25117</th> <th>18420</th>	Machine Age	hrs	Client Info		26704	25117	18420
Sample Status Image: status method Imit/base current history1 ABNORMAL WEAR METALS method limit/base current history1 history1 history1 Iron ppm ASTM D5185m >50 <1 <1 <1 <1 Chromium ppm ASTM D5185m >30 0 0 0 Nickel ppm ASTM D5185m >30 0 0 0 Silver ppm ASTM D5185m >20 <11 0 0 Lead ppm ASTM D5185m >10 0 0 0 0 Copper ppm ASTM D5185m >10 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history1 nistory1 Boron ppm ASTM D5185m 0 0 <t< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th>6697</th><th>1682</th></t<>	Oil Age	hrs	Client Info		0	6697	1682
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1 <1 <1 Chromium ppm ASTM D5185m >3 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 <1 0 Aluminum ppm ASTM D5185m >10 0 0 <1 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >10 0 0 <1 Chanimony ppm ASTM D5185m 10 0 0 0 Cadmium ppm ASTM D5185m 10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 <td< th=""><th>Oil Changed</th><th></th><th>Client Info</th><th></th><th>N/A</th><th>Changed</th><th>Changed</th></td<>	Oil Changed		Client Info		N/A	Changed	Changed
Iron ppm ASTM D5185m >50 <1	Sample Status				ABNORMAL	ATTENTION	ABNORMAL
Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 <1 0 Aluminum ppm ASTM D5185m >10 2 0 0 0 Lead ppm ASTM D5185m >10 0 0 <1 0 Copper ppm ASTM D5185m >10 0 0 <1 0 Antimony ppm ASTM D5185m >10 0 0 <1 0<	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >3 0 0 0 Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 <1 0 Aluminum ppm ASTM D5185m >10 2 0 0 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >10 0 0 <1 Attimony ppm ASTM D5185m >10 0 0 <1 Vanadium ppm ASTM D5185m 10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 0 Malganesium ppm ASTM D5185m 2 0 0 <td< th=""><th>Iron</th><th>ppm</th><th>ASTM D5185m</th><th>>50</th><th><1</th><th><1</th><th><1</th></td<>	Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 <1 0 Aluminum ppm ASTM D5185m >10 2 0 0 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >50 9 20 4 Tin ppm ASTM D5185m >10 0 0 <1 Antimony ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 ADDTIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 2 0 0 Magnesium ppm ASTM D5185m 1 4 3 3 <th>Chromium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th>0</th> <th>0</th> <th>0</th>	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver ppm ASTM D5185m >2 0 <1	Nickel	ppm	ASTM D5185m	>3	0	0	0
Aluminum ppm ASTM D5185m >10 2 0 0 Lead ppm ASTM D5185m >10 0 0 <1 Copper ppm ASTM D5185m >50 9 20 4 Tin ppm ASTM D5185m >10 0 0 <1 Antimony ppm ASTM D5185m >10 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 history1 Boron ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Magnesium ppm ASTM D5185m 20217 13385 17209	Titanium	ppm	ASTM D5185m	>3	0	0	0
Lead ppm ASTM D5185m >10 0 0 <1	Silver	ppm	ASTM D5185m	>2	0	<1	0
Copper ppm ASTM D5185m >50 9 20 4 Tin ppm ASTM D5185m >10 0 0 <1 Antimony ppm ASTM D5185m 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 90 0 <1 0 Manganese ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 20217 13385 17209 ContraduitNANTS method Imit/base current history1 his	Aluminum	ppm	ASTM D5185m	>10	2	0	0
Tin ppm ASTM D5185m >10 0 0 <1	Lead	ppm	ASTM D5185m	>10	0	0	<1
Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 histor Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Malybdenum ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 1 4 34 34 Zinc ppm ASTM D5185m 2 0 0 0 Sulfur ppm ASTM D5185m 2 1 3385 17209 CONTAMINANTS metho	Copper	ppm	ASTM D5185m	>50	9	20	4
VanadiumppmASTM D5185m000CadmiumppmASTM D5185mImit/basecurrenthistory1historBoronppmASTM D5185m0000BariumppmASTM D5185m90040MolybdenumppmASTM D5185m90040ManganeseppmASTM D5185m903213444CalciumppmASTM D5185m903213444CalciumppmASTM D5185m903213444CalciumppmASTM D5185m903213444CalciumppmASTM D5185m903213444CalciumppmASTM D5185m903213444CalciumppmASTM D5185m20000PhosphorusppmASTM D5185m2021771338517209CONTAMINANTSmethodlimit/basecurrenthistory1history1SulfurppmASTM D5185m>2020<1		ppm	ASTM D5185m	>10	0	0	<1
Cadmium ppm ASTM D5185m o o o ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 90 0 44 0 Manganese ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 0 0 0 Sulfur ppm ASTM D5185m 2 1 4 34 Silicon ppm ASTM D5185m >25 <1 <1 0	Antimony	ppm	ASTM D5185m				0
ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 90 0 <1 0 Manganese ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 0 0 0 Sulfur ppm ASTM D5185m 2 0 0 0 Sulfur ppm ASTM D5185m 2 13385 17209 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 <td< th=""><th>Vanadium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></td<>	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 90 0 <1 0 Manganese ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 0 0 0 Sulfur ppm ASTM D5185m 2 1 4 34 Sulfur ppm ASTM D5185m 220217 13385 17209 Solicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 <	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 0 <1 0 Manganese ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 18 7 8 Sulfur ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 Vater % ASTM D5185m >20 2 0 <1 <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	ADDITIVES		method	limit/base	current	history1	history2
Barium ppm ASTM D5185m 90 0 4 0 Molybdenum ppm ASTM D5185m 0 <1 0 Manganese ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 18 7 8 Sulfur ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 Vater % ASTM D5185m >20 2 0 <1 <th>Boron</th> <td>maa</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Boron	maa	ASTM D5185m		0	0	0
Molybdenum ppm ASTM D5185m 0 <1	Barium		ASTM D5185m	90			0
Magnesse ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 1 4 34 Zinc ppm ASTM D5185m 18 7 8 Sulfur ppm ASTM D5185m 20217 13385 17209 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 Water % ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 <	Molybdenum		ASTM D5185m		0	<1	0
Magnesium ppm ASTM D5185m 90 32 13 44 Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 2 0 0 0 0 Phosphorus ppm ASTM D5185m 1 4 34 34 Zinc ppm ASTM D5185m 1 8 7 8 Sulfur ppm ASTM D5185m 20217 13385 17209 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 Water % ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base curre	,		ASTM D5185m			0	0
Calcium ppm ASTM D5185m 2 0 0 0 Phosphorus ppm ASTM D5185m 1 4 34 Zinc ppm ASTM D5185m 18 7 8 Sulfur ppm ASTM D5185m 20217 13385 17209 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <16 Potassium ppm ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 5300 231.9 49.0 190	Magnesium		ASTM D5185m	90	32	13	44
Zinc ppm ASTM D5185m 18 7 8 Sulfur ppm ASTM D5185m 20217 13385 17209 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 Potassium ppm ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 6254 13302 19069 Particles >6µm ASTM D7647 >1300 2198 1929 7235 Particles >14µm ASTM D7647 >80 220 112 675 <th>Calcium</th> <th></th> <th>ASTM D5185m</th> <th>2</th> <th>0</th> <th>0</th> <th>0</th>	Calcium		ASTM D5185m	2	0	0	0
Zinc ppm ASTM D5185m 18 7 8 Sulfur ppm ASTM D5185m 20217 13385 17209 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <16 Potassium ppm ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 6254 13302 19069 Particles >6µm ASTM D7647 >1300 2198 1929 7235 Particles >14µm ASTM D7647 >80 220 112 675 </th <th>Phosphorus</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>1</th> <th>4</th> <th>34</th>	Phosphorus	ppm	ASTM D5185m		1	4	34
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >25 <1 <1 0 Sodium ppm ASTM D5185m >20 2 0 <1 Potassium ppm ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 6254 13302 19069 Particles >6µm ASTM D7647 >1300 2198 1929 7235 Particles >14µm ASTM D7647 >80 220 112 675		ppm	ASTM D5185m		18	7	8
Silicon ppm ASTM D5185m >25 <1	Sulfur	ppm	ASTM D5185m		20217	13385	17209
Sodium ppm ASTM D5185m 5 2 16 Potassium ppm ASTM D5185m >20 2 0 <1 Water % ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 6254 13302 19069 Particles >6µm ASTM D7647 >1300 2198 1929 7235 Particles >14µm ASTM D7647 >80 220 112 675	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 5 2 16 Potassium ppm ASTM D5185m >20 2 0 <1 Water % ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 6254 13302 19069 Particles >6µm ASTM D7647 >1300 2198 1929 7235 Particles >14µm ASTM D7647 >80 220 112 675	Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Potassium ppm ASTM D5185m >20 2 0 <1	Sodium		ASTM D5185m			2	16
Water % ASTM D6304 >0.05 0.023 0.004 0.019 ppm Water ppm ASTM D6304 >500 231.9 49.0 190 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4μm ASTM D7647 6254 13302 19069 Particles >6μm ASTM D7647 >1300 2198 1929 7235 Particles >14μm ASTM D7647 >80 220 112 675	Potassium		ASTM D5185m	>20	2		<1
FLUID CLEANLINESS method limit/base current history1 history1 Particles >4μm ASTM D7647 6254 13302 19069 Particles >6μm ASTM D7647 >1300 2198 1929 7235 Particles >14μm ASTM D7647 >80 220 112 675	Water		ASTM D6304	>0.05	0.023	0.004	0.019
Particles >4μm ASTM D7647 6254 13302 19069 Particles >6μm ASTM D7647 >1300 ▲ 2198 ▲ 1929 ▲ 7235 Particles >14μm ASTM D7647 >80 ▲ 220 ▲ 112 ▲ 675	ppm Water	ppm	ASTM D6304	>500	231.9	49.0	190
Particles >6μm ASTM D7647 >1300 Δ 2198 Δ 1929 Δ 7235 Particles >14μm ASTM D7647 >80 Δ 220 Δ 112 Δ 675	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >6μm ASTM D7647 >1300 Δ 2198 Δ 1929 Δ 7235 Particles >14μm ASTM D7647 >80 Δ 220 Δ 112 Δ 675	Particles >4µm		ASTM D7647		6254	13302	19069
Particles >14μm ASTM D7647 >80 ▲ 220 ▲ 112 ▲ 675				>1300			▲ 7235
Particles >21 μ m ASTM D7647 >20 \triangle 58 \triangle 33 \triangle 163	Particles >21µm		ASTM D7647	>20	<u> </u>	A 33	1 63
Particles >38µm ASTM D7647 >4 2 2 ▲ 9							
Particles >71µm ASTM D7647 >3 0 1				>3	0	0	
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 20/18/15 ▲ 18/14 ▲ 20/17						▲ 18/14	▲ 20/17
FLUID DEGRADATION method limit/base current history1 history	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.31 0.34 0.298	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.31	0.34	0.298

Contact/Location: Service Manager - SIPJAC



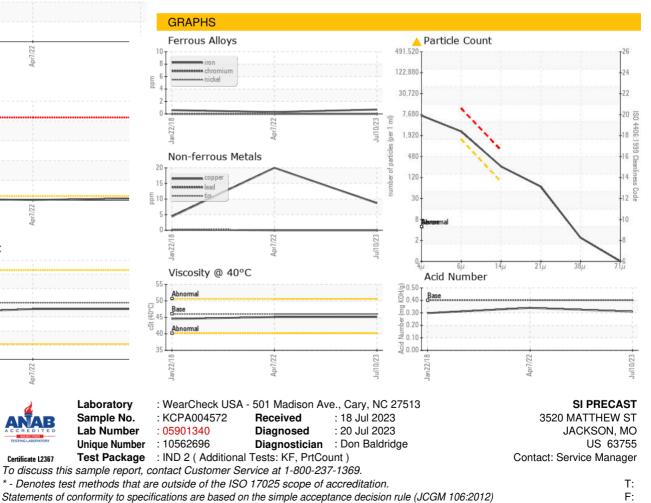
OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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	LIGHT	NONE	🔺 MODER
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	>0.05	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	45.1	45.1	44.53
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				E.		

Bottom



Contact/Location: Service Manager - SIPJAC