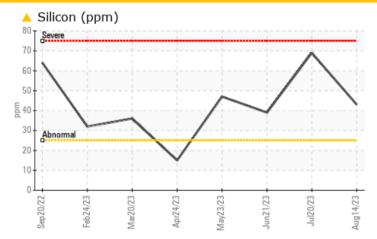


### **PROBLEM SUMMARY**

# COMP 211 (S/N 3021)

Compressor Fluid VILTER METHANE PAO 100 (--- GAL)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	NORMAL	
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<b>6</b> 9	39	

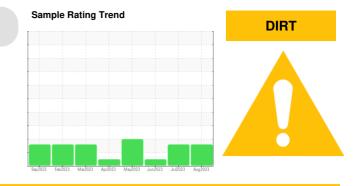
Customer Id: KININDIN Sample No.: WC0803956 Lab Number: 05966402 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>



### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

### HISTORICAL DIAGNOSIS

### 20 Jul 2023 Diag: Don Baldridge

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. 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.

#### 21 Jun 2023 Diag: Doug Bogart

NORMAL



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





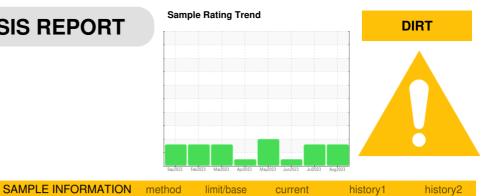
23 May 2023 Diag: Doug Bogart

We recommend you service the filters on this component. 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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





### **OIL ANALYSIS REPORT**



current

history1

### Machine Id COMP 211 (S/N 3021) Component

#### Compressor Fluic VILTER METHANE PAO 100 (--- GAL)

### DIAGNOSIS

### Recommendation

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

### Wear

All component wear rates are normal.

### Contamination

Elemental level of silicon (Si) above normal. 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     Image     Client Info     14 Aug 2023     20 Jul 2023     21 Jun 2023       Machine Age     hrs     Client Info     27684     27156     26437       Oil Age     hrs     Client Info     27684     27156     26437       Oil Changed     Client Info     Changed     N/A     Changed     AChanged       Sample Status     Imatibase     current     history1     Mistory2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >50     0     0     0     0       Sliver     ppm     ASTM D5185m     >25     0     0     0     0       Itanium     ppm     ASTM D5185m     >55     0     0     0     0     0       Itada     ppm     ASTM D5185m     >55     0     0     0     0     0       Chardenium     ppm     ASTM D5185m     >55     0     0     0     0     0     0 <t< th=""><th></th><th></th><th>methou</th><th>IIIII/Dase</th><th>Current</th><th>Thistory I</th><th>TIStory2</th></t<>			methou	IIIII/Dase	Current	Thistory I	TIStory2
Machine Age     hrs     Client Info     27684     27156     26437       Oil Age     hrs     Client Info     10600     9649     8930       Oil Changed     Client Info     ABNORMAL     ABNORMAL     NAO Changed       Sample Status     Imit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0     0     0       Nickel     ppm     ASTM 05185m     >10     0     0     0       Silver     ppm     ASTM 05185m     0     0     0     0       Lead     ppm     ASTM 05185m     >25     <1     <1     0       Cadmium     ppm     ASTM 05185m     >50     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0       Baron     ppm     ASTM 05185m     0     0     0     0       Mandanese     ppm     ASTM 05185m     0     0     0     0       Cadmium	Sample Number		Client Info		WC0803956	WC0803952	WC0803941
Oil Age     hrs     Client Info     10600     9649     8930       Oil Changed     Client Info     Changed     N/A     Changed       Sample Status     n     nethod     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0     0     0       Chromium     ppm     ASTM 05185m     >10     0     0     0       Nickel     ppm     ASTM 05185m     >10     0     0     0       Silver     ppm     ASTM 05185m     >25     <1     <1     0       Agem     ASTM 05185m     >25     0     0     0     0       Agem     ASTM 05185m     >25     0     0     0     0       Cadmium     ppm     ASTM 05185m     >1     <1     <1     <1       Vanadium     ppm     ASTM 05185m     0     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0	Sample Date		Client Info		14 Aug 2023	20 Jul 2023	21 Jun 2023
Oil Changed Client Info Changed N/A Changed   Sample Status Imaged Client Info ABNORMAL ABNORMAL NORMAL   WEAR METALS method limit/base current history1 history2   Iron ppm ASTN D5185n >50 0 0 0   Chromium ppm ASTN D5185n >50 0 0 0   Nickel ppm ASTN D5185n 0 0 0 0   Silver ppm ASTN D5185n >25 <1 0 0   Agamonum ppm ASTN D5185n >25 0 0 0   Cadmium ppm ASTN D5185n >25 0 0 0   Cadmium ppm ASTN D5185n >50 0 0 0   Cadmium ppm ASTN D5185n 0 0 0 0   Cadmium ppm ASTN D5185n 0 0 0 0   Baron ppm ASTN D5185n 0 0 0 0   Magnesium ppm ASTN D5185n 0 0 0 0   Baron ppm ASTN D5185n 0	Machine Age	hrs	Client Info		27684	27156	26437
Oil Changed Client Info Changed N/A Changed   Sample Status Imaged Client Info ABNORMAL ABNORMAL NORMAL   WEAR METALS method limit/base current history1 history2   Iron ppm ASTM D5185m >50 0 0 0   Chromium ppm ASTM D5185m >50 0 0 0   Nickel ppm ASTM D5185m >52 <1 0 0   Nickel ppm ASTM D5185m >25 <1 <1 0   Aluminum ppm ASTM D5185m >25 0 0 <1   Cadmium ppm ASTM D5185m >25 0 0 <1   Cadmium ppm ASTM D5185m >50 0 0 0   Cadmium ppm ASTM D5185m >50 0 0 0   Cadmium ppm ASTM D5185m 0 0 0 0   Baron ppm ASTM D5185m 0 0 0 0   Magnasium ppm ASTM D5185m 0 0 0 0   Baron ppm ASTM D5185m 0	Oil Age	hrs	Client Info		10600	9649	8930
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     0     0     0     0       Aluminum     ppm     ASTM D5185m     255     0     0     0       Lead     ppm     ASTM D5185m     >255     0     0     0       Capper     ppm     ASTM D5185m     >15     <1     <1     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Mangaese     ppm     ASTM D5185m     0     0     0     0       Mangaeses     ppm     ASTM D5185m     0     0     0     0	Oil Changed		Client Info		Changed	N/A	Changed
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     0     0     0     0       Auminum     ppm     ASTM D5185m     >25     <1     <1     0       Lead     ppm     ASTM D5185m     >25     0     0     0     0       Tin     ppm     ASTM D5185m     >15     <1     <1     <1     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Manganese     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     0     0 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>ABNORMAL</th> <th>ABNORMAL</th> <th>NORMAL</th>	Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     0     0     0     0       Auminum     ppm     ASTM D5185m     >25     <1     <1     0       Lead     ppm     ASTM D5185m     >50     0     0     0     0       Tin     ppm     ASTM D5185m     >50     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Magaese     ppm     ASTM D5185m     0     0     0     0       Magaese     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     0     0     0		_					
Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0       Silver     ppm     ASTM D5185m     0     0     0       ASTM D5185m     S25     <1     <1     0       Lead     ppm     ASTM D5185m     >25     0     0     <1       Copper     ppm     ASTM D5185m     >50     0     0     0       Vanadium     ppm     ASTM D5185m     >15     <1     <1     <1       Vanadium     ppm     ASTM D5185m     >15     <1     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     0     0       Coldeium     ppm     ASTM D5185m     0     0     0     0       Coldeium     ppm     A	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     0     0     <1	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     >25     <1     <1     0       Lead     ppm     ASTM D5185m     >25     0     0     <1       Copper     ppm     ASTM D5185m     >25     0     0     0       Tin     ppm     ASTM D5185m     >15     <1     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     2     2     0     0       Sulfur     ppm     ASTM D5185m     25     4     43     69     39     39	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver     ppm     ASTM D5185m     0     0     0       Aluminum     ppm     ASTM D5185m     >25     <1     <1     0       Lead     ppm     ASTM D5185m     >25     0     0     <1       Copper     ppm     ASTM D5185m     >50     0     0     0       Tin     ppm     ASTM D5185m     >15     <1     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     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     2     43     699     39	Nickel	ppm	ASTM D5185m		0	0	<1
Aluminum     ppm     ASTM D5185m     >25     <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead     ppm     ASTM D5185m     >25     0     0     <1	Silver	ppm	ASTM D5185m		0	0	0
Copper     ppm     ASTM D5185m     >50     0     0     0       Tin     ppm     ASTM D5185m     >15     <1     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     <10     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       Magnese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     0     0     0       Phosphorus     ppm     ASTM D5185m     2     2     0     0       Sulfur     ppm     ASTM D5185m     2     2     0     0       Sulfur     ppm     ASTM D5185m     20     <1     0     0	Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Tin     ppm     ASTM D5185m     >15     <1	Lead	ppm	ASTM D5185m	>25	0	0	<1
Vanadium     ppm     ASTM D5185m     0     <1	Copper	ppm	ASTM D5185m	>50	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     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     0     0     0     0       Manganesium     ppm     ASTM D5185m     0     0     0     0       Calcium     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     2     2     0     0       Sulfur     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     0     0     0     119     211     86       CONTAMINANTS     method     limit/base     current     history1	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0       Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0       Magnese     ppm     ASTM D5185m     0     0     0       Magnesium     ppm     ASTM D5185m     0     0     0       Calcium     ppm     ASTM D5185m     0     0     0       Calcium     ppm     ASTM D5185m     2     2     0       Zinc     ppm     ASTM D5185m     2     0     0       Sulfur     ppm     ASTM D5185m     2     43     69     39       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Vater     %     ASTM D5185m     >20     <1     0     <1       ppm Water     ppm     ASTM D6304     >0.1     0.0003	Vanadium	ppm	ASTM D5185m		0	<1	0
Boron     ppm     ASTM D5185m     0     0     0       Barium     ppm     ASTM D5185m     0     0     0       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       Calcium     ppm     ASTM D5185m     0     0     0       Phosphorus     ppm     ASTM D5185m     2     2     0       Zinc     ppm     ASTM D5185m     2     2     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     0     <1       Vater     %     ASTM D5185m     >20     <1     0     <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0       Marganese     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     2     0       Zinc     ppm     ASTM D5185m     2     2     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     0     <1       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Water     %     ASTM D6304     >0.1     0.003      4.8       FLUID CLEANLINESS     method     limit/base     current	ADDITIVES		method	limit/base	current	history1	history2
Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0       Maganese     ppm     ASTM D5185m     0     0     0       Magnesium     ppm     ASTM D5185m     0     0     0       Calcium     ppm     ASTM D5185m     0     0     0       Calcium     ppm     ASTM D5185m     2     2     0       Zinc     ppm     ASTM D5185m     2     2     0       Sulfur     ppm     ASTM D5185m     119     2111     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     433     69     39       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Vater     %     ASTM D5185m     >20     <1     0     <1       ppm Water     ppm     ASTM D6304     >0.0     31.3	Boron	ppm	ASTM D5185m		0	0	0
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     0       Calcium     ppm     ASTM D5185m     2     2     0     0       Zinc     ppm     ASTM D5185m     2     2     0     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     0     <1       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Water     %     ASTM D6304     >0.1     0.0003      0.001       ppm Water     ppm     ASTM D7647     >10000     31.3      4.8       Particle	Barium		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     2     0       Zinc     ppm     ASTM D5185m     0     0     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     43     69     39       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Potassium     ppm     ASTM D534     >0.1     0.003      0.001       ppm Water     ppm     ASTM D6304     >0.0     31.3      4.8       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     A	Molybdenum		ASTM D5185m		0	0	0
Magnesium     ppm     ASTM D5185m     0     0     0       Calcium     ppm     ASTM D5185m     2     2     0       Phosphorus     ppm     ASTM D5185m     2     2     0       Zinc     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     43     69     39       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Potassium     ppm     ASTM D5385m     >20     <1     0     <1       Water     %     ASTM D6304     >0.1     0.003      0.001       ppm Water     ppm     ASTM D7647     >10000     31.3      4.8       FLUID CLEANLINESS     method     limit/base     current     history1     history2	-		ASTM D5185m		0	0	0
Calcium     ppm     ASTM D5185m     0     0     0       Phosphorus     ppm     ASTM D5185m     2     2     0       Zinc     ppm     ASTM D5185m     0     0     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     43     69     39       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Water     %     ASTM D5185m     >20     <1     0.001     <1       ppm     ASTM D5185m     >20     <1     0.001     <1     0.001       ppm     ASTM D5185m     >20     <1     0.003      0.001       ppm     ASTM D6304     >0.1     0.003      4.8        Particles	•		ASTM D5185m		0	0	0
Phosphorus     ppm     ASTM D5185m     2     2     0       Zinc     ppm     ASTM D5185m     0     0     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     43     69     39       Sodium     ppm     ASTM D5185m     >20     <10	Calcium		ASTM D5185m		0	0	0
Zinc     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     119     211     86       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     43     69     39       Sodium     ppm     ASTM D5185m     >25     43     69     39       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Water     %     ASTM D6304     >0.1     0.0003      0.001       ppm Water     ppm     ASTM D7647     >1000     31.3      4.8       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >10000     4716     6606     3847       Particles >14µm     ASTM D7647     >200     1306     1926	Phosphorus		ASTM D5185m		2	2	0
SulfurppmASTM D5185m11921186CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25436939SodiumppmASTM D5185m>20<10<1PotassiumppmASTM D5185m>20<10<1Water%ASTM D6304>0.10.0030.001ppmASTM D6304>100031.34.8FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>10000471666063847Particles >6µmASTM D7647>250013061926838Particles >14µmASTM D7647>3205311831Particles >21µmASTM D7647>20020Particles >71µmASTM D7647>20020Oli CleanlinessISO 4406 (c)>20/18/1519/18/1320/18/1419/17/12FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Zinc		ASTM D5185m		0	0	0
Silicon   ppm   ASTM D5185m   >25   ▲ 43   ▲ 69   39     Sodium   ppm   ASTM D5185m   >20   <1   0   <1   0     Potassium   ppm   ASTM D5185m   >20   <1   0   <1   0     Water   %   ASTM D6304   >0.1   0.003    0.001     ppm Water   ppm   ASTM D6304   >1000   31.3    4.8     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >10000   4716   6606   3847     Particles >6µm   ASTM D7647   >2500   1306   1926   838     Particles >14µm   ASTM D7647   >320   53   118   31     Particles >21µm   ASTM D7647   >20   0   2   0     Particles >38µm   ASTM D7647   >4   0   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   19/18/13   20/18/14   19/17/12     FLUID DEGRADATION   method	Sulfur		ASTM D5185m		119	211	86
Sodium     ppm     ASTM D5185m     0     <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     <1	Silicon	ppm	ASTM D5185m	>25	<b>4</b> 3	<b>6</b> 9	39
Water     %     ASTM D6304     >0.1     0.003      0.001       ppm Water     ppm     ASTM D6304     >1000     31.3      4.8       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >10000     4716     6606     3847       Particles >6µm     ASTM D7647     >2500     1306     1926     838       Particles >14µm     ASTM D7647     >320     53     118     31       Particles >21µm     ASTM D7647     >80     9     28     8       Particles >38µm     ASTM D7647     >20     0     2     0       Particles >71µm     ASTM D7647     >4     0     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     19/18/13     20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Sodium	ppm	ASTM D5185m		0	<1	0
ppm Water     ppm     ASTM D6304     >1000 <b>31.3</b> 4.8       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >10000 <b>4716</b> 6606     3847       Particles >6µm     ASTM D7647     >2500 <b>1306</b> 1926     838       Particles >6µm     ASTM D7647     >320 <b>53</b> 118     31       Particles >14µm     ASTM D7647     >80 <b>9</b> 28     8       Particles >21µm     ASTM D7647     >20 <b>0</b> 2     0       Particles >38µm     ASTM D7647     >4 <b>0</b> 0     0       Particles >71µm     ASTM D7647     >4 <b>0</b> 0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15 <b>19/18/13</b> 20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	<1	0	<1
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >10000   4716   6606   3847     Particles >6µm   ASTM D7647   >2500   1306   1926   838     Particles >6µm   ASTM D7647   >320   53   118   31     Particles >14µm   ASTM D7647   >80   9   28   8     Particles >21µm   ASTM D7647   >20   0   2   0     Particles >38µm   ASTM D7647   >20   0   2   0     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   19/18/13   20/18/14   19/17/12     FLUID DEGRADATION   method   limit/base   current   history1   history2	Water	%	ASTM D6304	>0.1	0.003		0.001
Particles >4μm   ASTM D7647   >10000   4716   6606   3847     Particles >6μm   ASTM D7647   >2500   1306   1926   838     Particles >14μm   ASTM D7647   >320   53   118   31     Particles >21μm   ASTM D7647   >80   9   28   8     Particles >38μm   ASTM D7647   >20   0   2   0     Particles >38μm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   19/18/13   20/18/14   19/17/12	ppm Water	ppm	ASTM D6304	>1000	31.3		4.8
Particles >6μm     ASTM D7647     >2500     1306     1926     838       Particles >14μm     ASTM D7647     >320     53     118     31       Particles >21μm     ASTM D7647     >80     9     28     8       Particles >38μm     ASTM D7647     >20     0     2     0       Particles >38μm     ASTM D7647     >20     0     2     0       Particles >71μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     19/18/13     20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm   ASTM D7647   >320   53   118   31     Particles >21µm   ASTM D7647   >80   9   28   8     Particles >38µm   ASTM D7647   >20   0   2   0     Particles >38µm   ASTM D7647   >20   0   2   0     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   19/18/13   20/18/14   19/17/12     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >4µm		ASTM D7647	>10000	4716	6606	3847
Particles >14µm   ASTM D7647   >320   53   118   31     Particles >21µm   ASTM D7647   >80   9   28   8     Particles >38µm   ASTM D7647   >20   0   2   0     Particles >38µm   ASTM D7647   >20   0   2   0     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   19/18/13   20/18/14   19/17/12     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >6µm		ASTM D7647		1306		838
Particles >21μm     ASTM D7647     >80     9     28     8       Particles >38μm     ASTM D7647     >20     0     2     0       Particles >37μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     19/18/13     20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm					118	
Particles >38μm     ASTM D7647     >20     0     2     0       Particles >71μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     19/18/13     20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm		ASTM D7647				
Particles >71μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     19/18/13     20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >38μm						
Oil Cleanliness     ISO 4406 (c)     >20/18/15     19/18/13     20/18/14     19/17/12       FLUID DEGRADATION     method     limit/base     current     history1     history2					0	0	0
	Oil Cleanliness						
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	AGU NUMBER (AN)	ing NOTI/g	AG INI DOU43		0.070	0.03	0.104

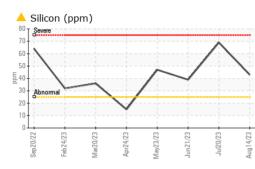
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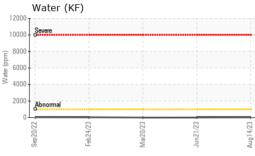
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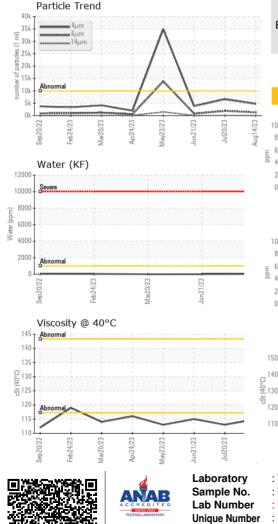
Contact/Location: William Prestin - KININDIN



## **OIL ANALYSIS REPORT**

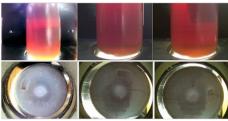




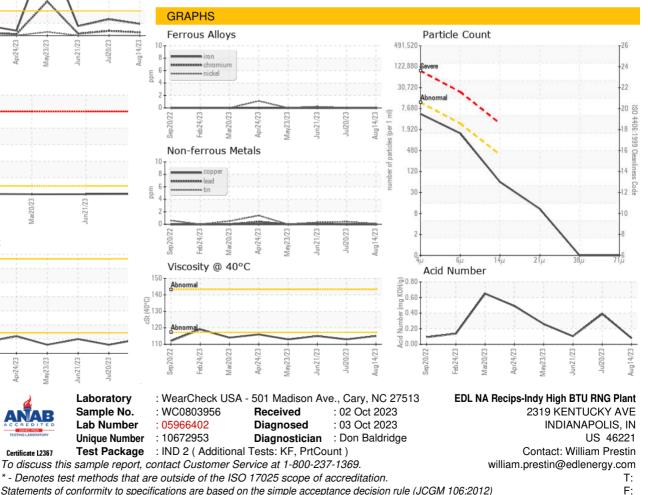


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		115	113	115
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color



Bottom



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

Certificate L2367

Contact/Location: William Prestin - KININDIN