

## **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

## Machine Id 2389638 (S/N 1037) 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 moderate 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 Number     Client Info     KCPA007389     KC40891        Sample Date     Client Info     01 Feb 2024     15 Oct 2020        Oil Age     hrs     Client Info     75511     65869        Oil Age     hrs     Client Info     N/A     Nol Changed        Oil Changed     Client Info     N/A     Nol Changed        WEAR METALS     method     Imubbas     current     history1     history1       Ion     ppm     ASTM 05165n     >50     20     2        Chromium     ppm     ASTM 05165n     >3     0         Silver     ppm     ASTM 05165n     >2     0         Aluminum     ppm     ASTM 05165n     >10     0         Autimony     ppm     ASTM 05165n     50     2     11        Autimony     ppm     ASTM 05165n     0     0        Autimony     pm	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     75511     65869        Oil Age     hrs     Client Info     0     0        Sample Status     Imit No     N/A     Not Changd        WEAR METALS     method     Imit Nose     current     history1     history1       Iron     ppm     ASTM 05165m     >50     20     2        Nickel     ppm     ASTM 05165m     >30     0         Silver     ppm     ASTM 05165m     >30     0     -11        Copper     ppm     ASTM 05165m     >10     0         Antimony     ppm     ASTM 05165m     >10     0      0        Antimony     ppm     ASTM 05165m     0     2     11        Antimony     ppm     ASTM 05165m     0     0        Antimony     ppm     ASTM 05165m     0     0        <	Sample Number		Client Info		KCPA007389	KC40891	
Oil Age     hrs     Client Info     0     0        Oil Changed     Client Info     N/A     Not Changed        Sample Status     Client Info     N/A     Not Changed        WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     20     2        Nickel     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >10     0         Auminum     ppm     ASTM D5185m     >10     0         Auminum     ppm     ASTM D5185m     0     0         Auminum     ppm     ASTM D5185m     0     0	Sample Date		Client Info		01 Feb 2024	15 Oct 2020	
Oil Changed Sample Status     Client Info     N/A     Not Changd     ···       WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     20     2        Othornium     ppm     ASTM D5185n     >33     0      Nickel       Dron     ppm     ASTM D5185n     >33     0         Nickel     ppm     ASTM D5185n     >33     0     -1        Aluminum     ppm     ASTM D5185n     >3     0         Aluminum     ppm     ASTM D5185n     >10     0         Copper     ppm     ASTM D5185n     >50     2     11        Antimony     ppm     ASTM D5185n     0     0         Antimony     ppm     ASTM D5185n     0     0         Antimony     ppm     ASTM D5185n     0     0	Machine Age	hrs	Client Info		75511	65869	
Oli Changed Sample Status     Client Info     N/A ATTENTION     Not Changed ASNORMAL     ···       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     20     2     ···       Nickel     ppm     ASTM D5185n     >33     0     0     ···       Nickel     ppm     ASTM D5185n     >33     0     <1     ···       Aluminum     ppm     ASTM D5185n     >33     0     <1     ···       Aluminum     ppm     ASTM D5185n     >10     0     <1     ···       Lead     ppm     ASTM D5185n     >10     0     <1     ···       Antimony     ppm     ASTM D5185n     10     0     <1     ···       Antimony     ppm     ASTM D5185n     0     0     <1     ···       Vanadium     ppm     ASTM D5185n     0     0     <1     ···       Antimony     ppm     ASTM D5185n     0     0 </th <th>Oil Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th>0</th> <th></th>	Oil Age	hrs	Client Info		0	0	
Sample Status     Image: method     ATTENTION     ABNORMAL        WEAR METALS     method     Imitibase     current     history1     history2       Iron     ppm     ASTM D5185m     >50     20     2        Chromium     ppm     ASTM D5185m     >3     0     0        Nickel     ppm     ASTM D5185m     >3     0     <1        Silver     ppm     ASTM D5185m     >3     0     <1        Aluminum     ppm     ASTM D5185m     >10     0     <1        Aluminum     ppm     ASTM D5185m     >10     0     <1        Copper     ppm     ASTM D5185m     0     0     0        Vanadium     ppm     ASTM D5185m     0     0      0        ADDITIVES     method     Imit/base     current     history1     history2       Barium     ppm     ASTM D5185m     0     2	-		Client Info		N/A	Not Changd	
Iron     ppm     ASTM D5185m     >50     20     2        Chromium     ppm     ASTM D5185m     >3     0     0        Nickel     ppm     ASTM D5185m     >3     0     <1        Silver     ppm     ASTM D5185m     >3     0     <1        Aluminum     ppm     ASTM D5185m     >10     11     0        Aluminum     ppm     ASTM D5185m     >10     0     <1        Copper     ppm     ASTM D5185m     >50     2     11        Tin     ppm     ASTM D5185m     >50     2     11        Antimony     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     0     0     0        ADDITIVES     method     imil/base     current     history1     history2       Boron     ppm     ASTM D5185m     90     2	-				ATTENTION	Ŭ	
Chromium     ppm     ASTM D5185m     >10     <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >3     0     0        Titanium     ppm     ASTM D5185m     >3     0     <1	Iron	ppm	ASTM D5185m	>50	20	2	
Titanium     ppm     ASTM D5185m     >3     0     <1        Silver     ppm     ASTM D5185m     >2     0     <1	Chromium	ppm	ASTM D5185m	>10	<1	0	
Silver     ppm     ASTM D5185m     >2     0     <1        Aluminum     ppm     ASTM D5185m     >10     0     <1	Nickel	ppm	ASTM D5185m	>3	0	0	
Silver     ppm     ASTM D5185m     >2     0     <1        Aluminum     ppm     ASTM D5185m     >10     0     <1	Titanium	ppm	ASTM D5185m	>3	0	<1	
Atuminum     ppm     ASTM D5185m     >10     11     0        Lead     ppm     ASTM D5185m     >10     0     <1	Silver				0	<1	
Lead     ppm     ASTM D5185m     >10     0     <1        Copper     ppm     ASTM D5185m     >50     2     11        Antimony     ppm     ASTM D5185m     >10     0     <1	Aluminum		ASTM D5185m	>10	11	0	
Copper     ppm     ASTM D5185m     >50     2     11        Tin     ppm     ASTM D5185m     >10     0     <1					0	<1	
Tin   ppm   ASTM D5185m   >10   0   <1      Antimony   ppm   ASTM D5185m   0   0      Vanadium   ppm   ASTM D5185m   0   0      Cadmium   ppm   ASTM D5185m   0   0      ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   <1							
Antimony     ppm     ASTM D5185m      0        Vanadium     ppm     ASTM D5185m     0     0        Cadmium     ppm     ASTM D5185m     0     0        ADDITIVES     method     imil/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     <1					_		
Vanadium     ppm     ASTM D5185m     0     0        Cadmium     ppm     ASTM D5185m     0     0        ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     <1        Barium     ppm     ASTM D5185m     0     0     18        Molybdenum     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     0     0     0        Magnesium     ppm     ASTM D5185m     2     1     2        Calcium     ppm     ASTM D5185m     2     1     2        Sulfur     ppm     ASTM D5185m     2     1     2        Sulfur     ppm     ASTM D5185m     2     1      2       Sulfur     ppm     ASTM D5185m     2     0     1					-		
Cadmium     ppm     ASTM D5185m     0     0        ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     <1        Barium     ppm     ASTM D5185m     0     0     188        Molybdenum     ppm     ASTM D5185m     0     0     0     0        Marganesian     ppm     ASTM D5185m     0     2     23        Calcium     ppm     ASTM D5185m     2     1     2        Magnesium     ppm     ASTM D5185m     2     1     2        Calcium     ppm     ASTM D5185m     2     1     2        Suffur     ppm     ASTM D5185m     2     1     2        Suffur     ppm     ASTM D5185m     226     0     1        Suffur     ppm     ASTM D5185m     20     3     0	,						
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     <1							
Boron     ppm     ASTM D5185m     0     <1		ррш			-		
Barium     ppm     ASTM D5185m     90     0     18        Molybdenum     ppm     ASTM D5185m     0     0        Manganese     ppm     ASTM D5185m     <1			method	limit/base			history2
Molybdenum     ppm     ASTM D5185m     0     0        Manganese     ppm     ASTM D5185m     <1	Boron	ppm	ASTM D5185m				
Magnesse   ppm   ASTM D5185m   <1   <1   <1      Magnesium   ppm   ASTM D5185m   90   2   23      Calcium   ppm   ASTM D5185m   2   1   2      Phosphorus   ppm   ASTM D5185m   429   160      Zinc   ppm   ASTM D5185m   226   192      Sulfur   ppm   ASTM D5185m   226   192      Sulfur   ppm   ASTM D5185m   226   0   1      Solicon   ppm   ASTM D5185m   >25   0   1      Sodium   ppm   ASTM D5185m   >20   0   3      Sodium   ppm   ASTM D5185m   >20   0   3      Vater   %   ASTM D5185m   >20   0   3851.2      ppm Water   ppm   ASTM D6304   >500   81   3851.2      Particles >4µm   ASTM D7647   2598	Barium	ppm	ASTM D5185m	90	0	18	
Magnesium     ppm     ASTM D5185m     90     2     23        Calcium     ppm     ASTM D5185m     2     1     2        Phosphorus     ppm     ASTM D5185m     429     160        Zinc     ppm     ASTM D5185m     429     160        Sulfur     ppm     ASTM D5185m     226     192        Sulfur     ppm     ASTM D5185m     1584     859        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     1        Sodium     ppm     ASTM D5185m     >20     0     3        Vater     %     ASTM D5185m     >20     0     3        Potassium     ppm     ASTM D5185m     >20     0.008     0.385        Patter     %     ASTM D6304     >0.05     0.0088     0.3851.2   <	Molybdenum	ppm	ASTM D5185m		0		
Calcium     ppm     ASTM D5185m     2     1     2        Phosphorus     ppm     ASTM D5185m     429     160        Zinc     ppm     ASTM D5185m     226     192        Sulfur     ppm     ASTM D5185m     1584     859        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     1        Sodium     ppm     ASTM D5185m     >20     0     61        Potassium     ppm     ASTM D5185m     >20     0     3        Water     %     ASTM D504     >0.05     0.008     0.385        ppm Water     ppm     ASTM D7647     2598         Particles >4µm     ASTM D7647     >1300     841         Particles >14µm     ASTM D7647     >20     25    Particles >21µm	Manganese	ppm	ASTM D5185m			<1	
Phosphorus     ppm     ASTM D5185m     429     160        Zinc     ppm     ASTM D5185m     226     192        Sulfur     ppm     ASTM D5185m     1584     859        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     1        Sodium     ppm     ASTM D5185m     >25     0     1        Sodium     ppm     ASTM D5185m     >20     0     3        Potassium     ppm     ASTM D5185m     >20     0     3        Water     %     ASTM D5044     >0.05     0.008     0.385        ppm Water     ppm     ASTM D7647     2598         Particles >4µm     ASTM D7647     >1300     841         Particles >14µm     ASTM D7647     >20     25         Particles >	Magnesium	ppm	ASTM D5185m	90	2		
Zinc     ppm     ASTM D5185m     226     192        Sulfur     ppm     ASTM D5185m     1584     859        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     1        Sodium     ppm     ASTM D5185m     >20     0     61        Potassium     ppm     ASTM D5185m     >20     0     3        Water     %     ASTM D6304     >0.05     0.0008     0.385        ppm Water     ppm     ASTM D6304     >500     81     3851.2        FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >1300     841         Particles >14µm     ASTM D7647     >80     81         Particles >21µm     ASTM D7647     >20     25	Calcium	ppm	ASTM D5185m	2	1	2	
SulfurppmASTM D5185m1584859CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>2501SodiumppmASTM D5185m>2003PotassiumppmASTM D6304>0.050.0080.385Water%ASTM D6304>500813851.2ppm WaterppmASTM D6472598Particles >4µmASTM D7647>1300841Particles >6µmASTM D7647>2025Particles >14µmASTM D7647>2025Particles >21µmASTM D7647>30Particles >71µmASTM D7647>30Oil CleanlinessISO 4406 (c)>/17/1319/17/14FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Phosphorus	ppm	ASTM D5185m		429	160	
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>2501SodiumppmASTM D5185m061PotassiumppmASTM D5185m>2003Water%ASTM D6304>0.050.0080.385ppm WaterppmASTM D6304>500813851.2FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D76472598Particles >6µmASTM D7647>1300841Particles >6µmASTM D7647>2025Particles >14µmASTM D7647>2025Particles >38µmASTM D7647>30Particles >71µmASTM D764730Oil CleanlinessISO 4406 (c)>/17/1319/17/14FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Zinc	ppm	ASTM D5185m		226	192	
Silicon   ppm   ASTM D5185m   >25   0   1      Sodium   ppm   ASTM D5185m   >20   0   61      Potassium   ppm   ASTM D5185m   >20   0   3      Water   %   ASTM D6304   >0.05   0.008   0.385      ppm Water   ppm   ASTM D6304   >500   81   3851.2      FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   2598       Particles >6µm   ASTM D7647   >1300   841       Particles >1µm   ASTM D7647   >20   25       Particles >21µm   ASTM D7647   >20   25       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)  /17/13   19/17/14 <th>Sulfur</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>1584</th> <th>859</th> <th></th>	Sulfur	ppm	ASTM D5185m		1584	859	
Sodium     ppm     ASTM D5185m     0     61        Potassium     ppm     ASTM D5185m<>20     0     3        Water     %     ASTM D6304     >0.05     0.008     0.385        ppm Water     ppm     ASTM D6304     >500     81     3851.2        FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     2598          Particles >6µm     ASTM D7647     >1300     841         Particles >14µm     ASTM D7647     >80     81         Particles >14µm     ASTM D7647     >20     25         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     19/17/14         FLUID DEG	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium   ppm   ASTM D5185m   >20   0   3      Water   %   ASTM D6304   >0.05   0.008   ▲ 0.385      ppm Water   ppm   ASTM D6304   >500   81   ▲ 3851.2      FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   2598       Particles >6µm   ASTM D7647   >1300   841       Particles >6µm   ASTM D7647   >80   81       Particles >14µm   ASTM D7647   >20   25       Particles >21µm   ASTM D7647   >4   1       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)  /17/13   19/17/14       FLUID DEGRADATION   method   limit/base   current   history1   history2	Silicon	ppm	ASTM D5185m	>25	0	1	
Potassium     ppm     ASTM D5185m     >20     0     3        Water     %     ASTM D6304     >0.05     0.0088     △     0.385        ppm Water     ppm     ASTM D6304     >500     81     △     3851.2        FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     2598          Particles >6µm     ASTM D7647     >1300     841         Particles >14µm     ASTM D7647     >80     81         Particles >21µm     ASTM D7647     >20     25         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     19/17/14         FLUID DEGRADATION     method     limit/base     current	Sodium	ppm	ASTM D5185m		0	61	
Water   %   ASTM D6304   >0.05   0.008   ▲   0.385      ppm Water   ppm   ASTM D6304   >500   81   ▲   3851.2      FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   2598       Particles >6µm   ASTM D7647   >1300   841       Particles >14µm   ASTM D7647   >80   81       Particles >21µm   ASTM D7647   >20   25       Particles >21µm   ASTM D7647   >4   1       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)  /17/13   19/17/14       FLUID DEGRADATION   method   limit/base   current   history1   history2	Potassium	ppm	ASTM D5185m	>20	0	3	
ppm Water     ppm     ASTM D6304     >500     81     3851.2        FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     2598         Particles >6µm     ASTM D7647     >1300     841         Particles >6µm     ASTM D7647     >80     81         Particles >14µm     ASTM D7647     >80     81         Particles >21µm     ASTM D7647     >20     25         Particles >38µm     ASTM D7647     >4     1         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)    /17/13     19/17/14         FLUID DEGRADATION     method     limit/base     current     history1     history2	Water	%	ASTM D6304	>0.05	0.008	▲ 0.385	
Particles >4μm   ASTM D7647   2598       Particles >6μm   ASTM D7647   >1300   841       Particles >14μm   ASTM D7647   >80   81       Particles >14μm   ASTM D7647   >80   81       Particles >21μm   ASTM D7647   >20   25       Particles >21μm   ASTM D7647   >4   1       Particles >38μm   ASTM D7647   >3   0       Particles >71μm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   19/17/14       FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water		ASTM D6304	>500	81	▲ 3851.2	
Particles >6μm   ASTM D7647   >1300   841       Particles >14μm   ASTM D7647   >80   81       Particles >14μm   ASTM D7647   >80   81       Particles >21μm   ASTM D7647   >20   25       Particles >38μm   ASTM D7647   >4   1       Particles >71μm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   19/17/14       FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14µm   ASTM D7647   >80   81       Particles >21µm   ASTM D7647   >20   25       Particles >38µm   ASTM D7647   >4   1       Particles >38µm   ASTM D7647   >4   1       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   19/17/14       FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >4µm		ASTM D7647		2598		
Particles >21μm     ASTM D7647     >20     25         Particles >38μm     ASTM D7647     >4     1         Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     19/17/14         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm		ASTM D7647	>1300	841		
Particles >21μm     ASTM D7647     >20     25         Particles >38μm     ASTM D7647     >4     1         Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     19/17/14         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm		ASTM D7647	>80	81		
Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     19/17/14         FLUID DEGRADATION     method     limit/base     current     history1     history2			ASTM D7647	>20	<mark> </mark> 25		
Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     19/17/14         FLUID DEGRADATION     method     limit/base     current     history1     history2					-		
Oil Cleanliness   ISO 4406 (c) >/17/13   19/17/14       FLUID DEGRADATION   method   limit/base   current   history1   history2			ASTM D7647	>3	0		
	FLUID DEGRADA		method	limi <u>t/base</u>	current	history1	h <u>istory2</u>
				0.4			

Report Id: DYNCOM [WUSCAR] 06101614 (Generated: 02/29/2024 11:17:22) Rev: 1

Contact/Location: Service Manager - DYNCOM



# **OIL ANALYSIS REPORT**

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

scalar \*Visual

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.05

White Metal

Yellow Metal

Precipitate

Silt

Debris

Odor

Sand/Dirt

Appearance

Emulsified Water

Viscosity @ 40°C

55

50

45 ŝ

40

35

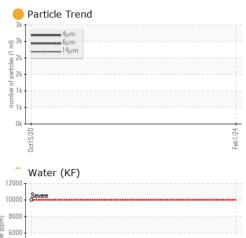
0ct15/20

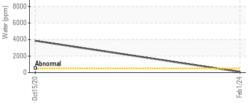
Abnorma

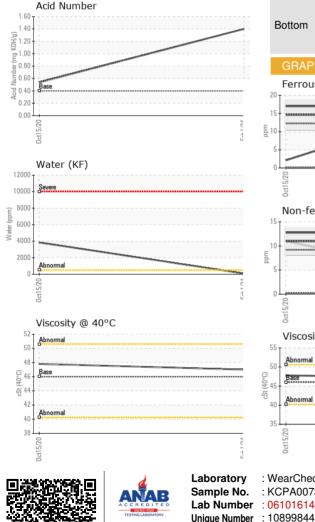
: KCPA007389

:06101614

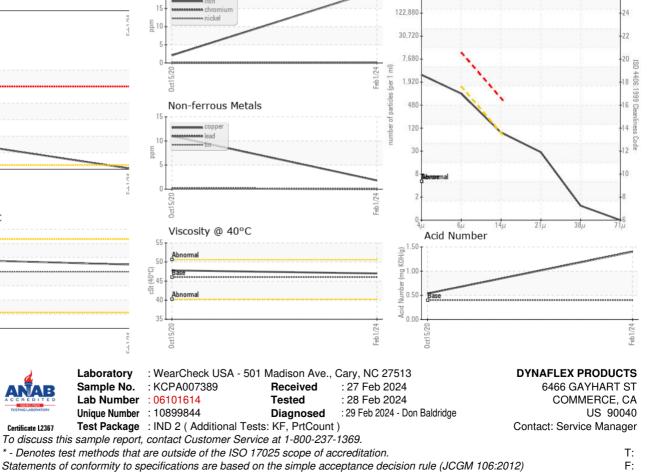
(40°C)







Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	47.0	47.8	
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				a.		no image
Bottom						no image
GRAPHS						
Ferrous Alloys			491,52	Particle Count	t	т2
15- iron chromium		and the second se	122,88	0+		-24
E 10			30,72			-22
5-			7,68			-20
0 ct 15/20	*******					-18
_	1		8		N	
Non-ferrous Metal	S		48 Joint			-16
10 - copper			12 nagunu	0-		-14
			3	0-		-12
				<sup>8</sup> <b>Bibreve</b> mal		-10
0ct15/20		*****	Feb1/24	2-		
Oct1			Fei	0		



NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

MODER

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

Certificate L2367