

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER CSD 75 7893914 (S/N 1221)

Component Compressor

Fluid KAESER SIGMA (OEM) S-460 (--- QTS)

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

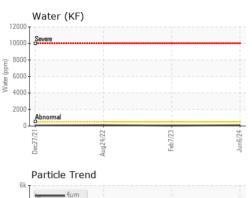
### Fluid Condition

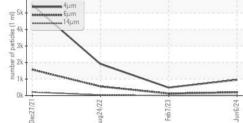
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

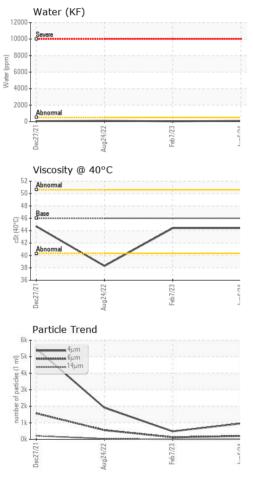
Sample Date         Client Info         06 Jun 2024         07 Feb 2023         24 Aug 2022           Machine Age         hrs         Client Info         8290         5494         4246           Oil Age         hrs         Client Info         0         3100         1940           Ool Changed         Client Info         N/A         Changed         Not Changed           Sample Status         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         0           Othornium         ppm         ASTM D5185m         >3         <1	SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         8290         5494         4246           Oil Age         hrs         Client Info         0         3100         1940           Oil Changed         Client Info         0         3100         1940           Oil Changed         Client Info         N/A         Changed         Not Changed           Sample Status         Info         NORMAL         NORMAL         NORMAL           WEAR METALS         method         Info/base         current         History1         history2           Iron         ppm         ASTM D5185m         >10         <1         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Antimony         ppm         ASTM D5185m <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>KC06207845</th> <th>KC91005</th> <th>KC95004</th>	Sample Number		Client Info		KC06207845	KC91005	KC95004
Oil Age         hrs         Client Info         0         3100         1940           Oil Changed         Client Info         N/A         Changed         Not Changed           Sample Status         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >3         0         0         0           Nickel         ppm         ASTM D5185m         >3         <1         0         0           Aluminum         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         10         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Adminum         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0	Sample Date		Client Info		06 Jun 2024	07 Feb 2023	24 Aug 2022
Oil Changed         Client Info         N/A         Changed         Not Changed           Sample Status         method         limit/base         current         history1         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >3         0         0         0           Nickel         ppm         ASTM D5185m         >3         <1         0         0           Silver         ppm         ASTM D5185m         >10         2         0         <1           Lead         ppm         ASTM D5185m         >10         <1         0         0           Capper         ppm         ASTM D5185m         >10         <1         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>8290</th> <th>5494</th> <th>4246</th>	Machine Age	hrs	Client Info		8290	5494	4246
Sample Status         NORMAL         NORMAL         NORMAL         NORMAL         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >3         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         0         -1           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Adadium         ppm         ASTM D5185m         0         0         0         0           Adadium         ppm         ASTM D5185m         0         0         0         -1           Mandanese         ppm         ASTM D5185m         0         0         0         0	Oil Age	hrs	Client Info		0	3100	1940
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5165m         >50         0         0         0           Chromium         ppm         ASTM D5165m         >3         0         0         0           Nickel         ppm         ASTM D5165m         >3         <1         0         0           Nickel         ppm         ASTM D5165m         >2         0         0         0           Aduminum         ppm         ASTM D5165m         >10         <1         0         0           Aduminum         ppm         ASTM D5165m         >10         <1         0         0           Copper         ppm         ASTM D5165m         >0         <13         10         8           Tin         ppm         ASTM D5165m         0         <1         0         0           Adationy         ppm         ASTM D5165m         0         0         0         0           Cadmium         ppm         ASTM D5165m         0         0         0         0           Adationy         ppm         ASTM D5165m         0         0         0         0	Oil Changed		Client Info		N/A	Changed	Not Changd
Iron         ppm         ASTM D5185m         >50         0         0         0           Chromium         ppm         ASTM D5185m         >10         <1         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >3         <1         0         0           Silver         ppm         ASTM D5185m         >10         2         0         <1           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Adadium         ppm         ASTM D5185m         0         0         0         0           Adadium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0	Sample Status				NORMAL	NORMAL	NORMAL
Dromium         ppm         ASTM D5165m         >10         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         >3         0         0         0           Titanium         ppm         ASTM D5185m         >3         <1         0         0           Silver         ppm         ASTM D5185m         >2         0         0         <1           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >50         13         10         8           Tin         ppm         ASTM D5185m         >50         13         10         8           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           Gatoium         ppm         ASTM D5185m         0         0         0         0           Colouium         ppm         ASTM D5185m         0         0         0         0     <	Iron	ppm	ASTM D5185m	>50	0	0	0
Titanium         ppm         ASTM D5185m         >3         <1	Chromium	ppm	ASTM D5185m	>10	<1	0	0
Titanium         ppm         ASTM D5185m         >3         <1	Nickel		ASTM D5185m	>3	0	0	0
Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >10         2         0         <1           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >50         13         10         8           Tin         ppm         ASTM D5185m         0         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         Imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         34         <1         2           Inc         ppm         ASTM D5185m         2         1         <1         0	Titanium		ASTM D5185m	>3	<1	0	0
Aluminum         ppm         ASTM D5185m         >10         2         0         <1	Silver			>2	0	0	0
Lead         ppm         ASTM D5185m         >10         <1	Aluminum		ASTM D5185m	>10		0	<1
Copper         ppm         ASTM D5185m         >50         13         10         8           Tin         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         0         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           Manganese         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Calcium         ppm         ASTM D5185m         2         0         0         0         0           Zine         ppm         ASTM D5185m         25         <1         2         0         0           Sodium         ppm         ASTM D5185m         25         <1	Lead				<1		0
Tin         ppm         ASTM D5185m         >10         <1							
Antimony         ppm         ASTM D5185m              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         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magaesium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         2         0         0         0           Zinc         ppm         ASTM D5185m         2         0         0         0           Solicon         ppm         ASTM D5185m         2         <1         2         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Vater					-		
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           Barium         ppm         ASTM D5185m         90         0         0         0         0           Molybdenum         ppm         ASTM D5185m         90         <1							
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         90         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         90         <1         1         0           Contramino         ppm         ASTM D5185m         2         0         0         0           Contramino         ppm         ASTM D5185m         20         1         <1         0           Solicon         ppm         ASTM D5185m         20         1         <1         0           Solicon         ppm         ASTM D5185m         >20         1         <1					0		0
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         41           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Calcium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         2         0         0         0         0           Contramination         ppm         ASTM D5185m         2         0         0         0         0           CONTAMINANTS         method         imit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         20         1         <1         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Potassium         ppm         ASTM D6185m         >20							
Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         90         0         0         <1           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         90         <1         1         0         0           Contradition         ppm         ASTM D5185m         90         <1         0         0         0           Contradition         ppm         ASTM D5185m         25         <1         2         0         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Vater         %         ASTM D5185m         >20         1         <1         0           Particles >4µm         ASTM D6304         >500 <th></th> <th>ррш</th> <th></th> <th></th> <th>U</th> <th></th> <th></th>		ррш			U		
Barium         ppm         ASTM D5185m         90         0         0         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0           Marganese         ppm         ASTM D5185m         90         <1         1         0           Magnesium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         0         34.4         <1           Zinc         ppm         ASTM D5185m         0         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         2         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Water         %         ASTM D6304         >500         96         46.8         103.7           FLUID CLEANLINESS         method         limit/base         current         history1         history2	Boron	ppm	ASTM D5185m				0
Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         <1         1         0           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         0         34         <1           Zinc         ppm         ASTM D5185m         0         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         2         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Vater         %         ASTM D6304         >0.05         0.009         0.004         0.010           pm Water         ppm         ASTM D7647         956         48.0         1911           Particles >4µm         ASTM D7647         >160         11         3         34           Particles >4µm         ASTM D7647         >160         11         3         34           Particles >21µm	Barium	ppm	ASTM D5185m	90	0	0	<1
Magnesium         ppm         ASTM D5185m         90         <1	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         0         34         <1           Zinc         ppm         ASTM D5185m         0         0         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         2         0           Sodium         ppm         ASTM D5185m         >25         <1         2         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Potassium         ppm         ASTM D5185m         >20         1         <1         0           Water         %         ASTM D504         >0.05         0.009         0.004         0.010           ppm         ASTM D7647         ppm         ASTM D7647         956         48.0         1911           Particles >4µm         ASTM D7647         >1300         198         123         552           Particles >14µm         ASTM D7647         >10         0         0         0 </th <th>Manganese</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus         ppm         ASTM D5185m         0         34         <1	Magnesium	ppm	ASTM D5185m	90	<1	1	0
Zinc         ppm         ASTM D5185m         0         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         2         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Potassium         ppm         ASTM D5185m         >20         1         <1         0           Water         %         ASTM D6304         >0.05         0.009         0.004         0.010           ppm Water         ppm         ASTM D6304         >500         96         46.8         103.7           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         956         480         1911           Particles >6µm         ASTM D7647         956         480         1911           Particles >14µm         ASTM D7647         >1300         198         123         552           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >38µm	Calcium	ppm	ASTM D5185m	2	0	0	0
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         2         0           Sodium         ppm         ASTM D5185m         >20         1         <1         0           Potassium         ppm         ASTM D5185m         >20         1         <1         0           Water         %         ASTM D6304         >0.05         0.009         0.004         0.010           ppm Water         ppm         ASTM D6304         >500         96         46.8         103.7           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         956         480         1911           Particles >6µm         ASTM D7647         >1300         198         123         552           Particles >1µm         ASTM D7647         >40         3         0         6           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0 <td< th=""><th>Phosphorus</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>34</th><th>&lt;1</th></td<>	Phosphorus	ppm	ASTM D5185m		0	34	<1
Silicon         ppm         ASTM D5185m         >25         <1	Zinc	ppm	ASTM D5185m		0	0	0
Sodium         ppm         ASTM D5185m         0         0         0           Potassium         ppm         ASTM D5185m         >20         1         <1         0           Water         %         ASTM D6304         >0.05         0.009         0.004         0.010           ppm Water         ppm         ASTM D6304         >500         96         46.8         103.7           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         956         480         1911           Particles >6µm         ASTM D7647         >1300         198         123         552           Particles >14µm         ASTM D7647         >160         11         3         34           Particles >21µm         ASTM D7647         >40         3         0         6           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         1         <1	Silicon	ppm	ASTM D5185m	>25	<1	2	0
Water         %         ASTM D6304         >0.05         0.009         0.004         0.010           ppm Water         ppm         ASTM D6304         >500         96         46.8         103.7           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         956         480         1911           Particles >6µm         ASTM D7647         >1300         198         123         552           Particles >14µm         ASTM D7647         >160         11         3         34           Particles >21µm         ASTM D7647         >40         3         0         6           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	Sodium	ppm	ASTM D5185m		0	0	0
ppm         ASTM D6304         >500         96         46.8         103.7           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         956         480         1911           Particles >6µm         ASTM D7647         >1300         198         123         552           Particles >14µm         ASTM D7647         >160         11         3         34           Particles >14µm         ASTM D7647         >10         0         0         6           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	Potassium	ppm	ASTM D5185m	>20	1	<1	0
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       956       480       1911         Particles >6µm       ASTM D7647       >1300       198       123       552         Particles >14µm       ASTM D7647       >160       11       3       34         Particles >14µm       ASTM D7647       >40       3       0       6         Particles >21µm       ASTM D7647       >40       3       0       6         Particles >38µm       ASTM D7647       >10       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >/17/14       17/15/11       16/14/9       18/16/12         FLUID DEGRADATION       method       limit/base       current       history1       history2	Water	%	ASTM D6304	>0.05	0.009	0.004	0.010
Particles >4µm         ASTM D7647         956         480         1911           Particles >6µm         ASTM D7647         >1300         198         123         552           Particles >14µm         ASTM D7647         >160         11         3         34           Particles >21µm         ASTM D7647         >40         3         0         6           Particles >21µm         ASTM D7647         >40         3         0         0           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	ppm Water	ppm	ASTM D6304	>500	96	46.8	103.7
Particles >6µm         ASTM D7647         >1300         198         123         552           Particles >14µm         ASTM D7647         >160         11         3         34           Particles >21µm         ASTM D7647         >40         3         0         6           Particles >21µm         ASTM D7647         >40         3         0         0           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm         ASTM D7647         >160         11         3         34           Particles >21µm         ASTM D7647         >40         3         0         6           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >4µm						
Particles >21μm         ASTM D7647         >40         3         0         6           Particles >38μm         ASTM D7647         >10         0         0         0           Particles >38μm         ASTM D7647         >10         0         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2			ASTM D7647	>1300		123	552
Particles >38μm         ASTM D7647         >10         0         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >14µm						
Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2					3	0	6
Oil Cleanliness         ISO 4406 (c)         >/17/14         17/15/11         16/14/9         18/16/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >38µm				0	0	0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	
	Oil Cleanliness		ISO 4406 (c)	>/17/14	17/15/11	16/14/9	18/16/12
Acid Number (AN)         mg KOH/g         ASTM D8045         0.4         0.41         0.39         0.40	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.41	0.39	0.40



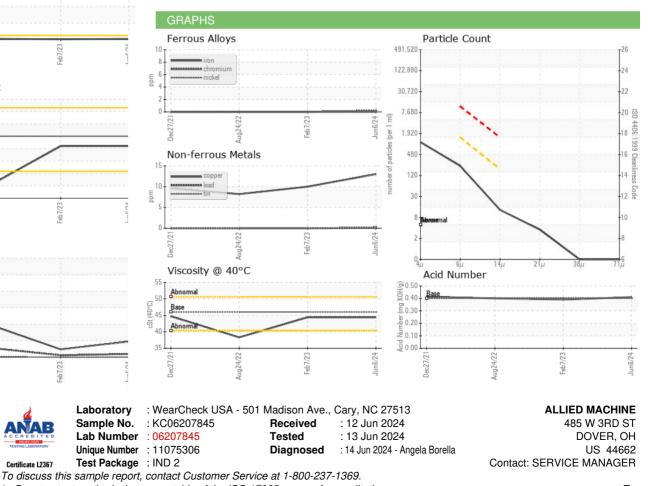
# **OIL ANALYSIS REPORT**







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	>0.05	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	44.4	44.4	38.3
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



\* - 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)

T: F:

Certificate 12367

Contact/Location: SERVICE MANAGER ? - ALLDOV