

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **P-14R** Component **Hydraulic System** Fluid **AW HYDRAULIC OIL ISO 46 (--- QTS)** 

### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

# Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### Fluid Condition

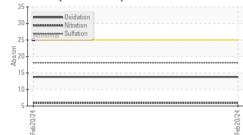
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

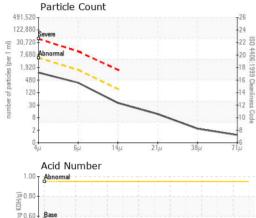
Sample Number     Client Info     PTK0005074     PTK0005078     PTK0005078       Sample Date     Client Info     20 Feb 2024     03 Jan 2024     17 Oct 2023       Machine Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     0     0     0       Oil Age     Client Info     0     0     0     0       Oti Changed     Client Info     N/A     N/A     N/A       Sample Status     -     reinthod     NORMAL     NORMAL     NORMAL       Vater     wcMethod >0.1     NEG     NEG     NEG     NEG       Water     wcMethod >0.1     no     0     0     0       Nickel     ppm     ASTM D5185m<>10     0     0     0     0       Nickel     ppm     ASTM D5185m<>10     0     0     0     0       Aluminum     ppm     ASTM D5185m<>10     0     0     0	SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     N/A     N/A     N/A       Sample Status     I     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >.0     NEG     NEG     NEG       Water     WC Method     >.0     nistory1     history2       Iron     ppm     ASTM D5185m     >.20     1     <1     <1       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm	Sample Number		Client Info		PTK0005474	PTK0005086	PTK0005078
Oil Age     hrs     Client Info     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A       Sample Status     Client Info     N/A     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >20     1     <1     <1       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     10     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >5     0     0     0       Cadmium     <	Sample Date		Client Info		20 Feb 2024	03 Jan 2024	17 Oct 2023
Oil Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       Wear     WC Method     >0.1     NEG     NEG     NEG       Iron     ppm     ASTM D5185m     >20     1     <1	Machine Age	hrs	Client Info		0	0	0
Sample Status     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       WeAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >20     1     <1     <1       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     10     0     0     0       Nickel     ppm     ASTM D5185m     10     0     0     0       Silver     ppm     ASTM D5185m     10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       Copper     ppm     ASTM D5185m     5     0     0     0	Oil Age	hrs	Client Info		0	0	0
CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >20     1     <1     <1       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0	Oil Changed		Client Info		N/A	N/A	N/A
Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >20     1     <1     <1       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >75     8     10     10       Tin     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       ADDITVES     method     limit/base     current     history1     history2 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th>NORMAL</th> <th>NORMAL</th>	Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS     method     limil/base     current     history1     history2       Iron     ppm     ASTM D5185m     >20     1     <1     <1       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m     >10     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Tin     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       ADDTIVES     method     limil/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0     0     0 </th <th>CONTAMINATION</th> <th>١</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINATION	١	method	limit/base	current	history1	history2
Iron     ppm     ASTM D5185m     >20     1     <1	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium     ppm     ASTM D5185m     >10     <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     0     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Yanadium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       Boron     ppm     ASTM D5185m     5     0     0     0       Maganese     ppm     ASTM D5185m     5     0     0     0 </th <th>Iron</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>1</th> <th>&lt;1</th> <th>&lt;1</th>	Iron	ppm	ASTM D5185m	>20	1	<1	<1
Titanium     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Tin     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     5     0     0     0       Boron     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     200     44     47     52	Chromium	ppm	ASTM D5185m	>10	<1	0	0
Silver     ppm     ASTM D5185m     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >75     8     10     10       Tin     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       ADDITIVES     rethod     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     250     2811     313     354	Nickel	ppm	ASTM D5185m	>10	0	0	0
Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >75     8     10     10       Tin     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Malydenum     ppm     ASTM D5185m     5     0     0     0       Magnese     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     250     2811     313     354       Zinc     ppm     ASTM D5185m     370     327     364     <	Titanium	ppm	ASTM D5185m		0	0	0
Lead     ppm     ASTM D5185m     >10     0     0     0     0       Copper     ppm     ASTM D5185m     >75     8     10     10       Tin     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     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Magnaese     ppm     ASTM D5185m     5     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     25     1     0     0       Galcium     ppm     ASTM D5185m     200     444     47     52       Phosphorus     ppm     ASTM D5185m     200     2944 <t< th=""><th>Silver</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></t<>	Silver	ppm	ASTM D5185m		0	0	0
Copper     ppm     ASTM D5185m     >75     8     10     10       Tin     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Barium     ppm     ASTM D5185m     5     0     0     0       Magnaese     ppm     ASTM D5185m     5     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     200     444     47     52       Phosphorus     ppm     ASTM D5185m     200     281     313     354       Zinc     ppm     ASTM D5185m     2500     2944     2854	Aluminum	ppm	ASTM D5185m	>10	0	0	0
Tin     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     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     25     1     0     0       Magnesium     ppm     ASTM D5185m     200     444     477     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     200     244     477     52       Phosphorus     ppm     ASTM D5185m     2500     2944	Lead	ppm	ASTM D5185m	>10	0	0	0
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     5     0     0     0       Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     0     0       Maganese     ppm     ASTM D5185m     25     1     0     0     0       Magnesium     ppm     ASTM D5185m     200     44     47     52     1     0<	Copper	ppm	ASTM D5185m	>75	8	10	10
Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     5     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     20     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370 <b>327</b> 364     403       Sulfur     ppm     ASTM D5185m     200 <b>2944</b> 2854     3151       CONTAMINANTS     method     limit/base     current     hi	Tin	ppm	ASTM D5185m	>10	0	0	0
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0     0     0       Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     25     1     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     imit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1	Vanadium	ppm	ASTM D5185m		0	0	0
Boron     ppm     ASTM D5185m     5     0     0     0       Barium     ppm     ASTM D5185m     5     0     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     0     0     0       Manganese     ppm     ASTM D5185m     5     0     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0     0       Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Potassium	Cadmium	ppm	ASTM D5185m		0	0	0
Barium     ppm     ASTM D5185m     5     0     0     0       Molybdenum     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     5     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Sodium     ppm     ASTM D5185m     >20     0 <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
Molybdenum     ppm     ASTM D5185m     5     0     0     0       Manganese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1	Boron	ppm	ASTM D5185m	5	0	0	0
Manganese     ppm     ASTM D5185m     0     0     0       Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Sodium     ppm     ASTM D5185m     >20     <0     0     0       Potassium     ppm     ASTM D5185m     >20     0     0     0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0.1      <	Barium	ppm	ASTM D5185m	5	0	0	0
Magnesium     ppm     ASTM D5185m     25     1     0     0       Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Sodium     ppm     ASTM D5185m     >20     <1     <1     0       Potassium     ppm     ASTM D5185m     >20     0     0     0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0.1         Nitration     Abs/cm     *ASTM D7624     5.9	Molybdenum	ppm	ASTM D5185m	5	0	0	0
Calcium     ppm     ASTM D5185m     200     44     47     52       Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Sodium     ppm     ASTM D5185m     >20     <1     <1     0       Potassium     ppm     ASTM D5185m     >20     0     0     0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0.1         Nitration     Abs/cm     *ASTM D7624     5.9	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus     ppm     ASTM D5185m     300     281     313     354       Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1	Magnesium	ppm	ASTM D5185m	25	1	0	0
Zinc     ppm     ASTM D5185m     370     327     364     403       Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Sodium     ppm     ASTM D5185m     >20     <1     <1     0       Potassium     ppm     ASTM D5185m     >20     <1     <1     0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0.1         Nitration     Abs/cm     *ASTM D7624     5.9	Calcium	ppm	ASTM D5185m	200	44	47	52
Sulfur     ppm     ASTM D5185m     2500     2944     2854     3151       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     <1     <1       Sodium     ppm     ASTM D5185m     >20     <1     <1     0       Potassium     ppm     ASTM D5185m     >20     0     0     0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0.1         Nitration     Abs/cm     *ASTM D7624     5.9	Phosphorus	ppm	ASTM D5185m	300	281	313	354
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20<1<1<1SodiumppmASTM D5185m<1<10PotassiumppmASTM D5185m>20000INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D78440.1NitrationAbs/cm*ASTM D76245.9	Zinc	ppm	ASTM D5185m	370	327	364	403
Silicon     ppm     ASTM D5185m     >20     <1	Sulfur	ppm	ASTM D5185m	2500	2944	2854	3151
Sodium     ppm     ASTM D5185m     <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     0     0     0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     0.1         Nitration     Abs/cm     *ASTM D7624     5.9	Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D78440.1NitrationAbs/cm*ASTM D76245.9	Sodium	ppm	ASTM D5185m		<1	<1	0
Soot %     %     *ASTM D7844     0.1         Nitration     Abs/cm     *ASTM D7624     5.9	Potassium	ppm	ASTM D5185m	>20	0	0	0
Nitration     Abs/cm     *ASTM D7624     5.9	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844		0.1		
Sulfation     Abs/.1mm     *ASTM D7415     18.1	Nitration	Abs/cm	*ASTM D7624		5.9		
					18.1		

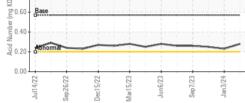


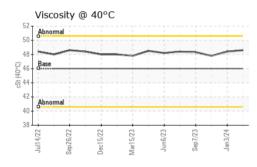
# **OIL ANALYSIS REPORT**

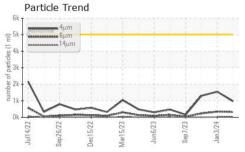












FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	972	1551	1304
Particles >6µm		ASTM D7647	>1300	316	344	237
Particles >14µm		ASTM D7647	>160	34	18	7
Particles >21µm		ASTM D7647	>40	10	4	1
Particles >38µm		ASTM D7647	>10	2	0	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	18/16/11	18/15/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		13.8		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.28	0.23	0.25
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
White Metal Yellow Metal	scalar scalar	*Visual *Visual	NONE	NONE NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Precipitate	scalar scalar	*Visual *Visual	NONE	NONE	NONE	NONE
Yellow Metal Precipitate Silt	scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE
Yellow Metal Precipitate Silt Debris	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE	NONE NONE NONE NONE	NONE NONE NONE NONE
Yellow Metal Precipitate Silt Debris Sand/Dirt	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE
Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NORML	NONE NONE NONE NONE NONE NORML	NONE NONE NONE NONE NORE	NONE NONE NONE NONE NORML
Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NONE NORML NORML
Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NORML NORML NEG	NONE NONE NONE NONE NONE NORML NORML NEG	NONE NONE NONE NONE NONE NORML NORML NEG
Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water	scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NORML NORML >0.1	NONE NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NONE NORML NORML NEG NEG

Color



Bottom



**GENERAL PATTERN** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : PTK0005474 Received : 15 Apr 2024 3075 84TH LN NE Lab Number : 06148647 Tested : 16 Apr 2024 Unique Number : 10978725 Diagnosed : 16 Apr 2024 - Wes Davis Test Package : MOB 2 ( Additional Tests: FT-IR ) Contact: MIKE METHER Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mmether@generalpattern.com \* - 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)

Report Id: GENBLA [WUSCAR] 06148647 (Generated: 04/16/2024 09:32:30) Rev: 1

Contact/Location: MIKE METHER - GENBLA

BLAINE, MN

US 55449

T:

F: