

## Area Baytech - W00300 [Press58] A2308104

Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

This is a baseline read-out on the submitted sample.

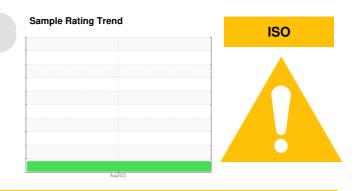
PROBLEMATIC TES	T RESULTS			
Sample Status			ATTENTION	 
Particles >4µm	ASTM D7647	>5000	<b>A</b> 7495	 
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>A</b> 20/14/11	 

#### Customer Id: CHECOB Sample No.: E30000132 Lab Number: 02577741 Test Package: IND 2

To manage this report scan the QR code

*To discuss the diagnosis or test data:* Tatiana Sorkina +1 (800)263-3939 tsorkina@e360s.ca

*To change component or sample information:* Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



## **OIL ANALYSIS REPORT**

### Area Baytech - W00300 [Press58] A2308104

Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

#### DIAGNOSIS

#### A Recommendation

This is a baseline read-out on the submitted sample.

#### Wear

Copper ppm levels are noted.

#### Contamination

Particles  $>4\mu m$  and oil cleanliness are notably high.

#### Fluid Condition

{not applicable}

Sample Number       Client Info       E30000132           Sample Date       Image       Client Info       14 Aug 2023           Machine Age       hrs       Client Info       0           Oil Age       hrs       Client Info       0           Oil Age       hrs       Client Info       N/A           Sample Status       Image       Client Info       N/A           WEAR METALS       method       Imit/base       current       history1       history2         Iron       ppm       ASTM D5185(m)       >20       10           Nickel       ppm       ASTM D5185(m)       >20       <1           Silver       ppm       ASTM D5185(m)       >20       <1           Aluminum       ppm       ASTM D5185(m)       >20       <1           Aluminum       ppm       ASTM D5185(m)       >20       <1           Aluminum       ppm       ASTM D5185(m)       >20       35 <th></th> <th></th> <th></th> <th></th> <th>1</th> <th></th> <th></th>					1		
Sample Number         Client Info         E30000132             Sample Date         in         Client Info         0             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Sample Status         Image         Client Info         N/A             WEAR METALS         method         Imit/base         current         history1         history1           Iron         ppm         ASTM 05185(m)         >20         -1             Nickel         ppm         ASTM 05185(m)         >20         -1             Intanium         ppm         ASTM 05185(m)         >20         -1             Intanium         ppm         ASTM 05185(m)         >20         4             Autoinum         ppm         ASTM 05185(m)         >20              Autoinum         ppm         ASTM 05185(m)         20			-				
Sample Date         Client Info         14 Aug 2021             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         N/A             Sample Status         Client Info         N/A             WEAR METALS         method         limitbase         current         history1         history1           Nickel         ppm         ASTM 0515(m)         >20         10             Nickel         ppm         ASTM 0515(m)         >20         1             Silver         ppm         ASTM 0515(m)         >20         4             Capper         ppm         ASTM 0515(m)         >20         4             Antimomy         ppm         ASTM 0515(m)         >20         35             Antimomy         ppm         ASTM 0515(m)         >20         0             Antimomy         ppm         ASTM 0515(m)         >0             Antimomy	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0             Oil Aga         hrs         Client Info         0             Sample Status         Client Info         N/A             WEAR METALS         method         Imit/base         current         history1         history1           Iron         ppm         ASTM D5185(m)         >20         <1	Sample Number		Client Info		E30000132		
Oil Age         hrs         Client Info         0             Oil Changed         Client Info         NA             Sample Status         Imathbase         Current         history1            WEAR METALS         method         limit/base         current         history1            Chromium         ppm         ASTM 05186(m)         >20         <1	Sample Date		Client Info		14 Aug 2023		
Oil Changed         Client Info         N/A             Sample Status         Image         Current         history1         instory2           WEAR METALS         method         limit/base         current         history1         instory2           Iron         ppm         ASTM D518(m)         >20         10             Ohronium         ppm         ASTM D518(m)         >20         <1             Nickel         ppm         ASTM D518(m)         >20         <1             Aluminum         ppm         ASTM D518(m)         >20         <1             Aluminum         ppm         ASTM D518(m)         >20         <1             Antimony         ppm         ASTM D518(m)         >20         <1             Antimony         ppm         ASTM D518(m)         >20         <1             Antimony         ppm         ASTM D518(m)         0              Antimony         ppm         ASTM D518(m)         0	Machine Age	hrs	Client Info		0		
Sample Status         Image         ATTENTION             WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D518(m)         >20         10             Nickel         ppm         ASTM D518(m)         >20         <1	Oil Age	hrs	Client Info		0		
WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185(m)         >20         10             Nickel         ppm         ASTM D5185(m)         >20         <1	Oil Changed		Client Info		N/A		
Iron         ppm         ASTM D5185(m)         >20         10             Nickel         ppm         ASTM D5185(m)         >20         <1	Sample Status				ATTENTION		
Chromium         ppm         ASTM D5185(m)         >20         <1             Nickel         ppm         ASTM D5185(m)         >20         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5186(m)         >20         <1             Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         >20         <1	Iron	ppm	ASTM D5185(m)	>20	10		
Intanium       ppm       ASTM 0586(m)       0           Silver       ppm       ASTM 05185(m)       >20       <1	Chromium	ppm	ASTM D5185(m)	>20	<1		
Silver         ppm         ASTM D5185(m)         0             Aluminum         ppm         ASTM D5185(m)         >20         <1	Nickel	ppm	ASTM D5185(m)	>20	<1		
Aluminum         ppm         ASTM D5185(m)         >20         <1             Lead         ppm         ASTM D5185(m)         >20         4             Copper         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0             Vanadium         ppm         ASTM D5185(m)         0             Addium         ppm         ASTM D5185(m)         0	Titanium	ppm	ASTM D5185(m)		0		
Lead         ppm         ASTM D5185(m)         >20         4             Copper         ppm         ASTM D5185(m)         >20         35             Antimony         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              Vanadium         ppm         ASTM D5185(m)         0              Borin         ppm         ASTM D5185(m)         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1	Silver	ppm	ASTM D5185(m)		0		
Copper         ppm         ASTM D5185/m         >20         35             Tin         ppm         ASTM D5185/m         >20         0             Antimony         ppm         ASTM D5185/m         0             Vanadium         ppm         ASTM D5185/m         0             Beryllium         ppm         ASTM D5185/m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185/m         5         <1	Aluminum	ppm	ASTM D5185(m)	>20	<1		
Copper         ppm         ASTM D5185(m)         >20         35             Tin         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0             Vanadium         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1	Lead				4		
Tin       ppm       ASTM D5185(m)       >20       0           Antimony       ppm       ASTM D5185(m)       0           Vanadium       ppm       ASTM D5185(m)       0           Beryllium       ppm       ASTM D5185(m)       0           ADDITIVES       method       limit/base       current       history1       history2         Boron       ppm       ASTM D5185(m)       5       <1					35		
Antimony         ppm         ASTM D5185(m)         0             Vanadium         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1							
Vanadium         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1					-		
Beryllium         ppm         ASTM D5185(m)         0             Cadmium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1             Barium         ppm         ASTM D5185(m)         5         <1             Molybdenum         ppm         ASTM D5185(m)         5         <1             Maganese         ppm         ASTM D5185(m)         25         63             Magnesium         ppm         ASTM D5185(m)         200         82             Calcium         ppm         ASTM D5185(m)         300         575             Sulfur         ppm         ASTM D5185(m)         2500         1737             Sulfur         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         20.0 </td <td>•</td> <td></td> <td>( )</td> <td></td> <td>-</td> <td></td> <td></td>	•		( )		-		
Cadmium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1             Barium         ppm         ASTM D5185(m)         5         <1             Molybdenum         ppm         ASTM D5185(m)         5         <1             Magnesium         ppm         ASTM D5185(m)         25         63             Magnesium         ppm         ASTM D5185(m)         200         82             Calcium         ppm         ASTM D5185(m)         300         575             Sulfur         ppm         ASTM D5185(m)         300         571             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >20 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>					-		
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         5         <1			( )		-		
Boron         ppm         ASTM D5185(m)         5         <1             Barium         ppm         ASTM D5185(m)         5         <1		ppm			-		
Barium       ppm       ASTM D5185(m)       5       <1          Molybdenum       ppm       ASTM D5185(m)       5       <1          Manganese       ppm       ASTM D5185(m)       25       63          Magnesium       ppm       ASTM D5185(m)       200       82           Calcium       ppm       ASTM D5185(m)       300       575           Phosphorus       ppm       ASTM D5185(m)       300       575           Zinc       ppm       ASTM D5185(m)       370       571           Sulfur       ppm       ASTM D5185(m)       2500       1737           Sulfur       ppm       ASTM D5185(m)       2500       1737           Sulfur       ppm       ASTM D5185(m)       >15       3           Sodium       ppm       ASTM D5185(m)       >20       1           Yeater       %       ASTM D6304'       >0.05       0.010           Particles >4µm       ASTM D7647       >5000 <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 D5185(m)         5         <1             Manganese         ppm         ASTM D5185(m)         25         63             Magnesium         ppm         ASTM D5185(m)         200         82             Calcium         ppm         ASTM D5185(m)         300         575             Phosphorus         ppm         ASTM D5185(m)         370         571             Zinc         ppm         ASTM D5185(m)         2500         1737             Sulfur         ppm         ASTM D5185(m)         2500         1737             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D5185(m)         >20         101.5             ppm Water	Boron	ppm	ASTM D5185(m)	5	<1		
Maganese         ppm         ASTM D5185(m)         <1             Magnesium         ppm         ASTM D5185(m)         25         63             Calcium         ppm         ASTM D5185(m)         200         82             Phosphorus         ppm         ASTM D5185(m)         300         575             Zinc         ppm         ASTM D5185(m)         370         571             Sulfur         ppm         ASTM D5185(m)         2500         1737             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D5185(m)         >20         1             ppm Water         ppm         ASTM D6304*         >0.05         0.010        FLUID CLEANLINESS         method         li	Barium	ppm	ASTM D5185(m)	5	<1		
Magnesium         ppm         ASTM D5185(m)         25         63             Calcium         ppm         ASTM D5185(m)         200         82             Phosphorus         ppm         ASTM D5185(m)         300         575             Zinc         ppm         ASTM D5185(m)         370         571             Sulfur         ppm         ASTM D5185(m)         2500         1737             Lithium         ppm         ASTM D5185(m)         2500         1737             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D5185(m)         >20         1             ppm Water         ppm         ASTM D5185(m)         >20         101.5             Particles >4µm         <	Molybdenum	ppm	ASTM D5185(m)	5	<1		
Calcium       ppm       ASTM D5185(m)       200       82           Phosphorus       ppm       ASTM D5185(m)       300       575           Zinc       ppm       ASTM D5185(m)       370       571           Sulfur       ppm       ASTM D5185(m)       2500       1737           Lithium       ppm       ASTM D5185(m)       2500       1737           CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185(m)       >15       3           Sodium       ppm       ASTM D5185(m)       >20       1           Vater       %       ASTM D6304*       >0.05       0.010           ppm Water       ppm       ASTM D7647       >5000       101.5           FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       7495        Particles >21µm <td>Manganese</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td></td> <td>&lt;1</td> <td></td> <td></td>	Manganese	ppm	ASTM D5185(m)		<1		
Phosphorus         ppm         ASTM D5185(m)         300         575             Zinc         ppm         ASTM D5185(m)         370         571             Sulfur         ppm         ASTM D5185(m)         2500         1737             Lithium         ppm         ASTM D5185(m)         2500         1737             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             Particles >4µm         ASTM D7647         >5000         7495        Particles >4µm         ASTM D7647	Magnesium	ppm	ASTM D5185(m)	25	63		
Zinc         ppm         ASTM D5185(m)         370         571             Sulfur         ppm         ASTM D5185(m)         2500         1737             Lithium         ppm         ASTM D5185(m)         2500         1737             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >15         3             Potassium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D7647         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         AS	Calcium	ppm	ASTM D5185(m)	200	82		
Sulfur         ppm         ASTM D5185(m)         2500         1737             Lithium         ppm         ASTM D5185(m)         2500         1737             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >15         3             Potassium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         40	Phosphorus	ppm	ASTM D5185(m)	300	575		
Lithium         ppm         ASTM D5185(m)         <1             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3             Sodium         ppm         ASTM D5185(m)         >15         3             Potassium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         >160         11             Particles >21µm         ASTM D7647         10         0	Zinc	ppm	ASTM D5185(m)	370	571		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >15         3	Sulfur	ppm	ASTM D5185(m)	2500	1737		
Silicon       ppm       ASTM D5185(m)       >15       3           Sodium       ppm       ASTM D5185(m)        4           Potassium       ppm       ASTM D5185(m)       >20       1           Water       %       ASTM D6304*       >0.05       0.010           Water       ppm       ASTM D6304*       >500       101.5           ppm Water       ppm       ASTM D6304*       >500       101.5           FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000        7495           Particles >6µm       ASTM D7647       >1300       142           Particles >14µm       ASTM D7647       >160       11           Particles >21µm       ASTM D7647       >40       2           Particles >38µm       ASTM D7647       >10       0           Particles >71µm       ASTM D7647       >3       0 <td>Lithium</td> <td></td> <td>ASTM D5185(m)</td> <td></td> <td>&lt;1</td> <td></td> <td></td>	Lithium		ASTM D5185(m)		<1		
Sodium         ppm         ASTM D5185(m)         4             Potassium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         >160         11             Particles >21µm         ASTM D7647         >40         2             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         >3         0	CONTAMINANTS	S	method	limit/base	current	history1	history2
Sodium         ppm         ASTM D5185(m)         4             Potassium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         >160         11             Particles >21µm         ASTM D7647         >40         2             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         >3         0	Silicon	ppm	ASTM D5185(m)	>15	3		
Potassium         ppm         ASTM D5185(m)         >20         1             Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲ 7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         >160         11             Particles >21µm         ASTM D7647         >40         2             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         >3         0			. ,	-			
Water         %         ASTM D6304*         >0.05         0.010             ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲ 7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         >160         11             Particles >21µm         ASTM D7647         >40         2             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         >3         0			. ,	>20			
ppm Water         ppm         ASTM D6304*         >500         101.5             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         7495             Particles >6µm         ASTM D7647         >1300         142             Particles >14µm         ASTM D7647         >160         11             Particles >14µm         ASTM D7647         >40         2             Particles >21µm         ASTM D7647         >10         0             Particles >38µm         ASTM D7647         >3         0							
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       ▲ 7495            Particles >6µm       ASTM D7647       >1300       142            Particles >6µm       ASTM D7647       >160       11            Particles >14µm       ASTM D7647       >40       2           Particles >21µm       ASTM D7647       >40       2           Particles >38µm       ASTM D7647       >10       0           Particles >71µm       ASTM D7647       >3       0							
Particles >4μm       ASTM D7647       >5000       7495           Particles >6μm       ASTM D7647       >1300       142           Particles >6μm       ASTM D7647       >160       11           Particles >14μm       ASTM D7647       >160       11           Particles >21μm       ASTM D7647       >40       2           Particles >38μm       ASTM D7647       >10       0           Particles >71μm       ASTM D7647       >3       0							
Particles >6μm         ASTM D7647         >1300         142             Particles >14μm         ASTM D7647         >160         11             Particles >14μm         ASTM D7647         >40         2             Particles >21μm         ASTM D7647         >40         2             Particles >38μm         ASTM D7647         >10         0             Particles >71μm         ASTM D7647         >3         0		NESS					
Particles >14μm         ASTM D7647         >160         11             Particles >21μm         ASTM D7647         >40         2             Particles >38μm         ASTM D7647         >10         0             Particles >71μm         ASTM D7647         >3         0	1						
Particles >21μm         ASTM D7647         >40         2             Particles >38μm         ASTM D7647         >10         0             Particles >71μm         ASTM D7647         >3         0	•						
Particles >38μm         ASTM D7647         >10         0             Particles >71μm         ASTM D7647         >3         0	•						
Particles >71μm         ASTM D7647         >3         0							
•							
Oil Cleanliness ISO 4406 (c) >19/17/14 ▲ 20/14/11							
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 20/14/11		

Sample Rating Trend

ISO

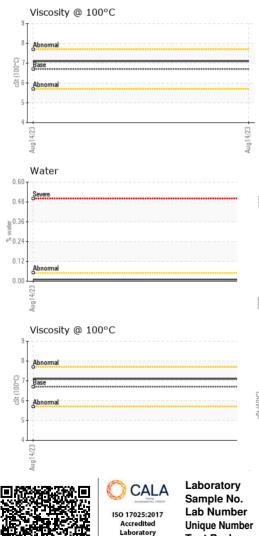


# **OIL ANALYSIS REPORT**



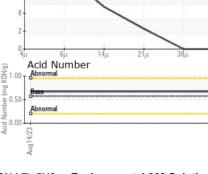






nethod limit/base current history1 history2 sual* NONE NONE sual* NONE NONE sual* NONE NONE sual* NONE NONE	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Sual*         NONE         NONE             sual*         NORML         NORML             sual*         NORML         NORM             method         limit/base         current         history1         history2           Image         no image         no image         <	Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.67		
NONE         NONE             sual*         NONE             sual*         NONE         NONE            sual*         NONE         NONE            sual*         NONE         NONE            sual*         NONE         NONE            sual*         NONE         NONE            sual*         NORML         NORML            nethod         limit/base         current         history1         history2           Image         no image         no image         no image           0,720	VISUAL		method	limit/base	current	history1	history2
sual*       NONE       NONE           sual*       NONE       NONE           sual*       NONE       NONE           sual*       NONE       NONE           sual*       NORML       NORML           nethod       limit/base       current       history1       history2         Imethod       limit/base       current       history1       history2         Imethod       limit/base       current       history1       no image         0/200       no image       no image       no image          0/200       0/200	White Metal	scalar	Visual*	NONE	NONE		
NONE         NONE             sual*         NONE         NONE             sual*         NONE         NONE             sual*         NORML         NORML             sual*         >0.05         NEG             nethod         limit/base         current         history1         history2           TM D7279(m)         6.7         7.1             nethod         limit/base         current         history1         history2           Image         no image         no image         no image           102270*         97         1133             1020         10220         no image         no image         no image           1020         1020         1020	Yellow Metal	scalar	Visual*	NONE	NONE		
Sual*       NONE       NONE           sual*       NORML       NORML           sual*       >0.05       NEG           nethod       limit/base       current       history1       history2         TM D7279(m)       6.7       7.1           nethod       limit/base       current       history1       history2         IM D7279(m)       6.7       7.1           nethod       limit/base       current       history1       history2         Imethod       limit/base       current       history1       history2	Precipitate	scalar	Visual*	NONE	NONE		
Sual*         NONE         NONE             sual*         NORML         NORML             sual*         NORML         NORML             sual*         NORML         NORML             sual*         NORML         NORML             sual*         >0.05         NEG             nethod         limit/base         current         history1         history2           IM D7279(m)         6.7         7.1             IM D2270*         97         113             nethod         limit/base         current         history1         history2           Image         no image         no image         no image           no image         no image             Image         1,200              Image         1,200              Image         1,200              Image         1,200 <td>Silt</td> <td>scalar</td> <td>Visual*</td> <td>NONE</td> <td>NONE</td> <td></td> <td></td>	Silt	scalar	Visual*	NONE	NONE		
Sual*         NORML         NORML         NORML             sual*         NORML         NORML              sual*         >0.05         NEG              nethod         limit/base         current         history1         history2           TM D7279(m)         46         46.0             TM D7279(m)         6.7         7.1             IM D7279(m)         6.7         7.1             not D7279(m)         6.7         7.1             nethod         limit/base         current         history1         history2           Imethod         limit/base         current         history2         Imethod           I	Debris	scalar	Visual*	NONE	NONE		
Sual*         NORML         NORML             sual*         >0.05         NEG             method         limit/base         current         history1         history2           IM D7279(m)         46         46.0             IM D7279(m)         6.7         7.1             Imethod         limit/base         current         history1         history2           Imethod         limit/base         current         h	Sand/Dirt	scalar	Visual*	NONE	NONE		
sual*       >0.05       NEG           nethod       limit/base       current       history1       history2         TM D7279(m)       46       46.0           TM D7279(m)       6.7       7.1           TM D7279(m)       6.7       7.1           IM D7279(m)       6.7       7.1           IM D7279(m)       6.7       7.1           IM D7279(m)       6.7       7.1           IM D7279(m)       6.7       no image       no image          Imethod       limit/base       current       history1       history2         Imethod       limit/base       current	Appearance	scalar	Visual*	NORML	NORML		
sual* NEG nethod limit/base current history1 history2 TM D7279(m) 46 46.0 TM D7279(m) 6.7 7.1 TM D2270* 97 113 nethod limit/base current history1 history2 I I I I I I I I I I I I I I I I I I I	Odor	scalar	Visual*	NORML	NORML		
method       limit/base       current       history1       history2         TM D7279(m)       46       46.0           TM D7279(m)       6.7       7.1           TM D2270*       97       113           method       limit/base       current       history1       history2         method       limit/base       current       history1       no image         no image       no image       no image       no image         add add add add add	Emulsified Water	scalar	Visual*	>0.05	NEG		
TM D7279(m)       46       46.0           TM D7279(m)       6.7       7.1           TM D2270*       97       113           nethod       limit/base       current       history1       history2         no image       no image       no image       no image         1       Particle Count       122,880       122,880       122,880         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920       1,920         1       1,920       1,920       1,920	Free Water	scalar	Visual*		NEG		
TM D7279(m) 6.7 TM D2270* 97 113 nethod limit/base current history1 history2 no image no image no image no image no image no image no image 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 1,500	FLUID PROPERT	IES	method	limit/base	current	history1	history2
TM D7279(m) 6.7 TM D2270* 97 113 nethod limit/base current history1 history2 no image no image no image no image no image no image no image 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 12,2800 1,500	√isc @ 40°C	cSt	ASTM D7279(m)	46	46.0		
TM D2270* 97 113 nethod limit/base current history1 history2 no image	Visc @ 100°C	cSt	ASTM D7279(m)	6.7	7.1		
nethod limit/base current history1 history2 no image no image no image no image no image no image no image	Viscosity Index (VI)	Scale	ASTM D2270*				
Particle Count Particle Count Particle Count 122,880 124,990	SAMPLE IMAGES			11 11 11			
Particle Count Particle Count Particle Count 122,880 124,890 124,890 124,990		5	method	IIIII Dase	current	Thistory	Thistory2
Particle Count 491,520 122,880 Severe 30,720 1,580 genere 1,920	Color			11111		no image	no image
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491,520         2           122,880         Severe           30,720         2           1,920         1	GRAPHS						
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Severe 30,720 T 7,680 Abnomal 22 24 27 27 20 27 20 20 20 20 20 20 20 20 20 20	iron						
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1	essesses tin						
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4rd0 14/23	0 - E27			8			

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: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Environmental 360 Solutions Ltd. : E30000132 Received : 23 Aug 2023 640 Victoria Street : 02577741 Diagnosed : 28 Aug 2023 Cobourg, ON Unique Number : 5630801 Diagnostician : Tatiana Sorkina CA K9A 5H5 Test Package : IND 2 (Additional Tests: KF, KV100, VI) Contact: Fred Kosseim To discuss this sample report, contact Customer Service at 1-800-268-2131. fkosseim@e360s.ca T: (905)372-2251 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied. F: (905)372-1658

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