

# **PROBLEM SUMMARY**

Sample Rating Trend

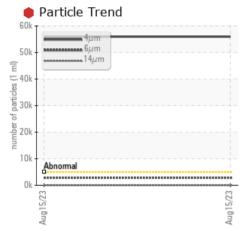


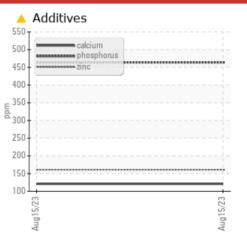


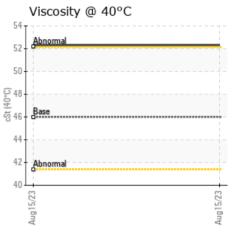
Area SB1 Machine Id ATLAS COPCO 1002633 SB1 Compressor (S/N A11200341) Component

ATLAS COPCO ROTO INJECT FLUID (8 LTR)

# COMPONENT CONDITION SUMMARY







### RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation. (Customer Sample Comment: We think this is Atlas Ndurance Roto Inject Fluid, please confirm as we had some personnel changes.)

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	 
Calcium	ppm	ASTM D5185(m)	1000	<u> </u>	 
Zinc	ppm	ASTM D5185(m)	590	🔺 161	 
Sulfur	ppm	ASTM D5185(m)		<u> </u>	 
Particles >4µm		ASTM D7647	>5000	<b>•</b> 55970	 
Particles >6µm		ASTM D7647	>1300	🔺 2845	 
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>e</b> 23/19/11	 

Customer Id: WATGEO Sample No.: WC0776670 Lab Number: 02576424 Test Package: IND 2



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

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

RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.
Resample			?	Resample in 30-45 days to monitor this situation.
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.
Check Seals			?	Check seals and/or filters for points of contaminant entry.

## HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO



Machine Id ATLAS COPCO 1002633 SB1 Compressor (S/N A11200341) Component

## ATLAS COPCO ROTO INJECT FLUID (8 LTR)

### DIAGNOSIS

#### Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation. (Customer Sample Comment: We think this is Atlas Ndurance Roto Inject Fluid, please confirm as we had some personnel changes.)

### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The oil viscosity is higher than typical. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sample Date         Client Info         15 Aug 2023             Wachine Age         hrs         Client Info         0             Dil Age         hrs         Client Info         8             Dil Changed         Client Info         N/A             Sample Status         Im/Va              VEAR METALS         method         Im/Vase         current         history1         history2           ron         ppm         ASTM D5185m         >20         0             Vickel         ppm         ASTM D5185m         >20         0             Ruminum         ppm         ASTM D5185m         >20         2             Lead         ppm         ASTM D5185m         >20         2             Auminum         ppm         ASTM D5185m         >20         2             Silver         ppm         ASTM D5185m         >20         2             Cadadum         ppm         ASTM D5185m	INJECT FLUID (	8 LTR)			Aug2023		
Sample Date         Client Info         15 Aug 2023             Wachine Age         hrs         Client Info         0             Dil Age         hrs         Client Info         8             Sample Status         Client Info         N/A             WEAR METALS         method         limit/base         current         history1         history2           ron         ppm         ASTIL05185m         >20         0             Vickel         ppm         ASTIL05185m         >20         0             Viskel         ppm         ASTIL05185m         >20         2             Numinum         ppm         ASTIL05185m         >20         2             Lead         ppm         ASTIL05185m         >20         2             Auminum         ppm         ASTIL05185m         >20         2             Copper         ppm         ASTIL05185m         0              Auminum	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0             Dil Age         hrs         Client Info         8             Dil Changed         Client Info         N/A             Sample Status         Inft/base         current         history1         History2           VEAR METALS         method         Imit/base         current         history1         History2           Tron         ppm         ASTM D5186/m         >20         0             Nickel         ppm         ASTM D5186/m         >20         0             Silver         ppm         ASTM D5186/m         >20         2             Auminum         ppm         ASTM D5186/m         >20         2             Aumony         ppm         ASTM D5186/m         >20         0             Antimony         ppm         ASTM D5186/m         0             Auminum         ppm         ASTM D5186/m         0             Barylinum         ppm <t< td=""><td>Sample Number</td><td></td><td>Client Info</td><td></td><td>WC0776670</td><td></td><td></td></t<>	Sample Number		Client Info		WC0776670		
Dil Age         hrs         Client Info         8             Sample Status         Client Info         N/A             WEAR METALS         method         limibbase         current         history1         history2           ron         ppm         ASTM D5165(m)         >20         5             Silver         ppm         ASTM D5165(m)         >20         0             Nickel         ppm         ASTM D5165(m)         >20         0             Silver         ppm         ASTM D5165(m)         >20         2             Auminum         ppm         ASTM D5165(m)         >20         0             Auminum         ppm         ASTM D5165(m)         >20         0	Sample Date		Client Info		15 Aug 2023		
Dil Changed         Client Info         N/A             Sample Status         Image: Several seve	Machine Age	hrs	Client Info		0		
Sample Status         nethod         Imit/base         current         history1         history2           WEAR METALS         nethod         Imit/base         current         history1         history2           ron         ppm         ASTM 05185(m)         >20         0             Nickel         ppm         ASTM 05185(m)         >20         0             Nickel         ppm         ASTM 05185(m)         >20         2             Nickel         ppm         ASTM 05185(m)         >20         2             Auminum         ppm         ASTM 05185(m)         >20         2             Lead         ppm         ASTM 05185(m)         >20         0             Copper         ppm         ASTM 05185(m)         >20         0             Antimony         ppm         ASTM 05185(m)         0              Barium         ppm         ASTM 05185(m)         0              Manadium         ppm         ASTM 05185(m) <td< td=""><td>Oil Age</td><td>hrs</td><td>Client Info</td><td></td><td>8</td><td></td><td></td></td<>	Oil Age	hrs	Client Info		8		
WEAR METALS         method         limit/base         current         history1         history2           ron         ppm         ASTM D5185(m)         >20         5             Chromium         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         20         0             Silver         ppm         ASTM D5185(m)         >20         2             Aluminum         ppm         ASTM D5185(m)         >20         2             Aluminum         ppm         ASTM D5185(m)         >20         2             Aluminum         ppm         ASTM D5185(m)         >20         0             Copper         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              Cadmium         ppm         ASTM D5185(m)         0              ADDITIVES         method         Imit/base	Oil Changed		Client Info		N/A		
ron         ppm         ASTM D5185(m)         >20         5             Chromium         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >20         0             Silver         ppm         ASTM D5185(m)         >20         2             Auminum         ppm         ASTM D5185(m)         >20         2             Auminum         ppm         ASTM D5185(m)         >20         2             Auminum         ppm         ASTM D5185(m)         >20         2             Additionary         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              AstM D5185(m)         Soon         pm         ASTM D5185(m)         0             AstM D5185(m)         0                AstM D5185(m)         0	Sample Status				SEVERE		
Drm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >20         0             Silver         ppm         ASTM D5185(m)         0              Linuminum         ppm         ASTM D5185(m)         >20         2             Lead         ppm         ASTM D5185(m)         >20         2             Lead         ppm         ASTM D5185(m)         >20         2             Antimony         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              Baryllium         ppm         ASTM D5185(m)         0              ADDITVES         method         limit/base         current         history1         history2           Baryllium         ppm         ASTM D5185(m)         0              Cadmium         ppm         ASTM D5185(m)         0 </th <th>WEAR METALS</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185(m)         >20         0             Trianium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         >20         2            Aluminum         ppm         ASTM D5185(m)         >20         2            Copper         ppm         ASTM D5185(m)         >20         2            Copper         ppm         ASTM D5185(m)         >20         0            Antimony         ppm         ASTM D5185(m)         0             Avanadium         ppm         ASTM D5185(m)         0             Cadmium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         0             Maganesum         ppm         ASTM D5185(m)         0             Calcium         ppm         ASTM D5185(m)	Iron	ppm	ASTM D5185(m)	>20	5		
Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         >20         2             Aluminum         ppm         ASTM D5185(m)         >20         2             Lead         ppm         ASTM D5185(m)         >20         2             Copper         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0             Antimony         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0	Chromium	ppm	ASTM D5185(m)	>20	0		
Silver         ppm         ASTM D5185(m)         0             Aluminum         ppm         ASTM D5185(m)         >20         2             Copper         ppm         ASTM D5185(m)         >20         2             Copper         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              Antimony         ppm         ASTM D5185(m)         0              BaryIliam         ppm         ASTM D5185(m)         0              ADDITIVES         method         limit/base         current         history1         history2           Bary         ASTM D5185(m)         0              Maganese         ppm         ASTM D5185(m)         0             Vanganesium         ppm         ASTM D5185(m)         0         464	Nickel	ppm	ASTM D5185(m)	>20	0		
Aluminum         ppm         ASTM D5185(m)         >20         2             Lead         ppm         ASTM D5185(m)         >20         2             Copper         ppm         ASTM D5185(m)         >20         2             Antimony         ppm         ASTM D5185(m)         0             Vanadium         ppm         ASTM D5185(m)         0             Sunadium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         0             Maganese         ppm         ASTM D5185(m)         0             Vagobenum         ppm         ASTM D5185(m)         0             Calcium         ppm         ASTM D5185(m)         0             Phosphorus         ppm         ASTM D5185(m)         50         464             Sulfur         ppm <td>Titanium</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td></td> <td>0</td> <td></td> <td></td>	Titanium	ppm	ASTM D5185(m)		0		
Lead         ppm         ASTM D5165(m)         >20         <1	Silver	ppm	ASTM D5185(m)		0		
Copper         ppm         ASTM D5185(m)         >20         2             Tin         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0             Wanadium         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         0             Maganese         ppm         ASTM D5185(m)         0             Maganese         ppm         ASTM D5185(m)         0             Vanganese         ppm         ASTM D5185(m)         100         121             Solfur         ppm         ASTM D5185(m)         100         1322             Solfur         ppm         ASTM D5185(m)         >1             Sodium         ppm <td>Aluminum</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td>&gt;20</td> <td>2</td> <td></td> <td></td>	Aluminum	ppm	ASTM D5185(m)	>20	2		
Tin       ppm       ASTM D5185(m)       >20       0           Antimony       ppm       ASTM D5185(m)       0           Wanadium       ppm       ASTM D5185(m)       0           Beryllium       ppm       ASTM D5185(m)       0           ADDITIVES       method       limit/base       current       history1       history2         Boron       ppm       ASTM D5185(m)       <1           Molydenum       ppm       ASTM D5185(m)       0           Magnese       ppm       ASTM D5185(m)       0           Vagnesium       ppm       ASTM D5185(m)       2           Vagnesium       ppm       ASTM D5185(m)       00       121           Value       ppm       ASTM D5185(m)       500       161           Solifur       ppm       ASTM D5185(m)       500       161           Solifur       ppm       ASTM D5185(m)       20       1	Lead	ppm	ASTM D5185(m)	>20	<1		
Antimony         ppm         ASTM D5186(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)         <1	Copper	ppm	ASTM D5185(m)	>20	2		
Vanadium         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         <1	Tin	ppm	ASTM D5185(m)	>20	0		
Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         <1             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         0             Maganese         ppm         ASTM D5185(m)         0             Maganese         ppm         ASTM D5185(m)         2             Calcium         ppm         ASTM D5185(m)         1000         121             Phosphorus         ppm         ASTM D5185(m)         510         464             Sulfur         ppm         ASTM D5185(m)         510         464             Sulfur         ppm         ASTM D5185(m)         >161              Soliton         ppm         ASTM D5185(m)         >20         <1	Antimony	ppm	ASTM D5185(m)		0		
Cadmium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         <1	Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)<1	Beryllium	ppm	ASTM D5185(m)		0		
Boron         ppm         ASTM D5185(m)         <1             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         1000             Calcium         ppm         ASTM D5185(m)         1000         121             Calcium         ppm         ASTM D5185(m)         510         464             Sulfur         ppm         ASTM D5185(m)         510         464             Sulfur         ppm         ASTM D5185(m)         510         4             Sulfur         ppm         ASTM D5185(m)         >15         1             Solfur         ppm         ASTM D5185(m)         >20         <1	Cadmium	ppm	ASTM D5185(m)		0		
Barium       ppm       ASTM D5185(m)       0           Molybdenum       ppm       ASTM D5185(m)       0           Maganese       ppm       ASTM D5185(m)       0           Magnesium       ppm       ASTM D5185(m)       2           Calcium       ppm       ASTM D5185(m)       1000       464           Calcium       ppm       ASTM D5185(m)       510       464           Calcium       ppm       ASTM D5185(m)       590       161           Sulfur       ppm       ASTM D5185(m)       590       161           Sulfur       ppm       ASTM D5185(m)       1322           CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185(m)       >20       <1           Potassium       ppm       ASTM D7647       >5000       55970           FLUID CLEANLINESS       method       limit/base       current	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         1000         121             Calcium         ppm         ASTM D5185(m)         1000         121             Calcium         ppm         ASTM D5185(m)         510         464             Zinc         ppm         ASTM D5185(m)         590         161             Sulfur         ppm         ASTM D5185(m)         41              CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185(m)         >10             Potassium         ppm         ASTM D5185(m)         >20         <1	Boron	ppm	ASTM D5185(m)		<1		
Marganesse       ppm       ASTM D5185(m)       0           Magnesium       ppm       ASTM D5185(m)       2           Calcium       ppm       ASTM D5185(m)       1000       121           Calcium       ppm       ASTM D5185(m)       510       464           Phosphorus       ppm       ASTM D5185(m)       590       161           Sulfur       ppm       ASTM D5185(m)       1322           Lithium       ppm       ASTM D5185(m)       <11	Barium	ppm	ASTM D5185(m)		0		
Magnesium       ppm       ASTM D5185(m)       2           Calcium       ppm       ASTM D5185(m)       1000       ▲ 121           Phosphorus       ppm       ASTM D5185(m)       510       464           Zinc       ppm       ASTM D5185(m)       590       ▲ 161           Sulfur       ppm       ASTM D5185(m)       ▲ 1322           Lithium       ppm       ASTM D5185(m)       ▲ 1322           CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185(m)       >15       1           Sodium       ppm       ASTM D5185(m)       >20       <1	Molybdenum	ppm	ASTM D5185(m)		0		
Calcium       ppm       ASTM D5185(m)       1000       ▲ 121           Phosphorus       ppm       ASTM D5185(m)       510       464           Zinc       ppm       ASTM D5185(m)       590       ▲ 161           Sulfur       ppm       ASTM D5185(m)       ▲ 1322           Lithium       ppm       ASTM D5185(m)       ▲ 1322           CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185(m)       >15       1           Sodium       ppm       ASTM D5185(m)       >20       <1	Manganese	ppm	ASTM D5185(m)		0		
Phosphorus       ppm       ASTM D5185(m)       510       464           Zinc       ppm       ASTM D5185(m)       590       ▲       161           Sulfur       ppm       ASTM D5185(m)       590       ▲       1322           Lithium       ppm       ASTM D5185(m)       ▲       1322           CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185(m)       >15       1           Sodium       ppm       ASTM D5185(m)       >20       <1	Magnesium	ppm	ASTM D5185(m)		2		
Zinc       ppm       ASTM D5185(m)       590       ▲ 161           Sulfur       ppm       ASTM D5185(m)       ▲ 1322           Lithium       ppm       ASTM D5185(m)       ▲ 1322           CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185(m)       >15       1           Sodium       ppm       ASTM D5185(m)       >20       <1	Calcium	ppm	ASTM D5185(m)	1000	<u> </u>		
SulfurppmASTM D5185(m)▲ 1322LithiumppmASTM D5185(m)<1	Phosphorus	ppm	ASTM D5185(m)	510	464		
LithiumppmASTM D5185(m)<1CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>151SodiumppmASTM D5185(m)4PotassiumppmASTM D5185(m)>20<1	Zinc	ppm	ASTM D5185(m)	590	🔺 161		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>151SodiumppmASTM D5185(m)4PotassiumppmASTM D5185(m)>20<1	Sulfur	ppm	ASTM D5185(m)		<u> </u>		
Silicon       ppm       ASTM D5185(m)       >15       1           Sodium       ppm       ASTM D5185(m)       4           Potassium       ppm       ASTM D5185(m)       >20       <1           FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       55970           Particles >6µm       ASTM D7647       >1300       2845           Particles >6µm       ASTM D7647       >160       16           Particles >14µm       ASTM D7647       >40       4           Particles >21µm       ASTM D7647       >40       4           Particles >38µm       ASTM D7647       >10       0           Particles >71µm       ASTM D7647       3       0           Dil Cleanliness       ISO 4406 (c)       19/17/14       23/19/11           FLUID DEGRADATION       method       limit/base       current       history1	Lithium	ppm	ASTM D5185(m)		<1		
Sodium         ppm         ASTM D5185(m)         4             Potassium         ppm         ASTM D5185(m)         >20         <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185(m)         >20         <1             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         55970             Particles >6µm         ASTM D7647         >1300         2845             Particles >6µm         ASTM D7647         >160         16             Particles >14µm         ASTM D7647         >40         4             Particles >21µm         ASTM D7647         >40         4             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         3         0             Oil Cleanliness         ISO 4406 (c)         19/17/14         23/19/11             FLUID DEGRADATION         method         limit/base         current         history1         history2	Silicon	ppm	ASTM D5185(m)	>15	1		
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       55970           Particles >6µm       ASTM D7647       >1300       2845           Particles >6µm       ASTM D7647       >160       16           Particles >14µm       ASTM D7647       >160       16           Particles >21µm       ASTM D7647       >40       4           Particles >38µm       ASTM D7647       >10       0           Particles >71µm       ASTM D7647       >3       0           Dil Cleanliness       ISO 4406 (c)       >19/17/14       23/19/11           FLUID DEGRADATION       method       limit/base       current       history1       history2	Sodium		ASTM D5185(m)		4		
Particles >4µm       ASTM D7647       >5000       55970           Particles >6µm       ASTM D7647       >1300       2845           Particles >14µm       ASTM D7647       >160       16           Particles >14µm       ASTM D7647       >160       16           Particles >21µm       ASTM D7647       >40       4           Particles >21µm       ASTM D7647       >10       0           Particles >38µm       ASTM D7647       >10       0           Particles >71µm       ASTM D7647       >3       0           Oil Cleanliness       ISO 4406 (c)       >19/17/14       23/19/11           FLUID DEGRADATION       method       limit/base       current       history1       history2	Potassium	ppm	ASTM D5185(m)	>20	<1		
Particles >6μm       ASTM D7647       >1300       ▲ 2845           Particles >14μm       ASTM D7647       >160       16           Particles >14μm       ASTM D7647       >40       4           Particles >21μm       ASTM D7647       >40       4           Particles >38μm       ASTM D7647       >10       0           Particles >38μm       ASTM D7647       >3       0           Particles >71μm       ASTM D7647       >3       0           Oil Cleanliness       ISO 4406 (c)       >19/17/14       23/19/11           FLUID DEGRADATION       method       limit/base       current       history1       history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm       ASTM D7647       >160       16           Particles >21µm       ASTM D7647       >40       4           Particles >21µm       ASTM D7647       >10       0           Particles >38µm       ASTM D7647       >10       0           Particles >71µm       ASTM D7647       >3       0           Dil Cleanliness       ISO 4406 (c)       >19/17/14       23/19/11           FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >4µm		ASTM D7647	>5000	<b>6</b> 55970		
Particles >21μm         ASTM D7647         >40         4             Particles >38μm         ASTM D7647         >10         0             Particles >37μm         ASTM D7647         >3         0             Particles >71μm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         23/19/11             FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >38μm         ASTM D7647         >10         0             Particles >71μm         ASTM D7647         >3         0             Dil Cleanliness         ISO 4406 (c)         >19/17/14         23/19/11             FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >14µm		ASTM D7647	>160	16		
Particles >71μm       ASTM D7647       >3       0           Dil Cleanliness       ISO 4406 (c)       >19/17/14       23/19/11           FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >21µm		ASTM D7647	>40	4		
Dil Cleanliness       ISO 4406 (c) >19/17/14 • 23/19/11           FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >38µm		ASTM D7647	>10	0		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	• 23/19/11		
Acid Number (AN) mg KOH/g ASTM D974* 0.95 0.36	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*	0.95	0.36		

Report Id: WATGEO [WCAMIS] 02576424 (Generated: 08/23/2023 13:46:22) Rev: 1



# **OIL ANALYSIS REPORT**

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

52.3

Particle Count

Acid Number

491.5

122,88 30.72 7.6

1.92

480

120

31

1.00 (B/H0) 0.80 KOH Base

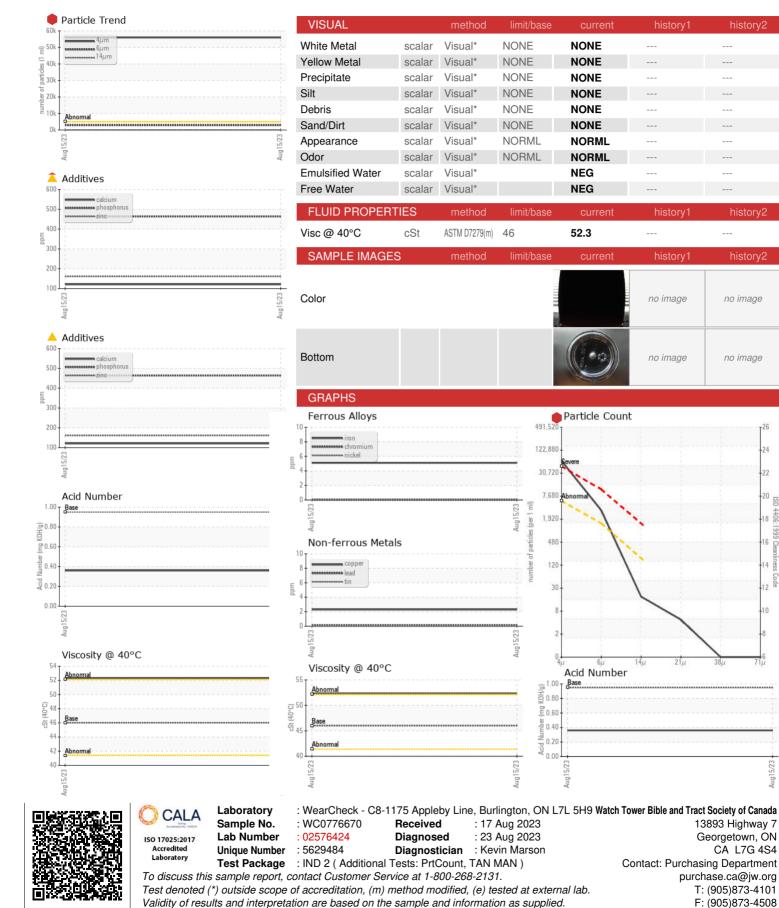
Ê 0.60

· e 0.40

0.00

Aud 1

Acid Nu 0.20



13893 Highway 7 Georgetown, ON CA L7G 4S4 **Contact: Purchasing Department** purchase.ca@jw.org T: (905)873-4101 F: (905)873-4508

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history

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