

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

WATER

#### Area Arcelor Mittal - D00400 Machine Id AM957

Component Unknown Component Fluid MORG OIL 220 (--- GAL)

## DIAGNOSIS

#### A Recommendation

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

#### 🔺 Wear

Iron ppm levels are noted.

### Contamination

Water contamination levels are abnormally high. Water contamination levels are abnormally high.. ppm Water contamination levels are abnormally high. ppm Water contamination levels are abnormally high.. Particles >4µm are abnormally high. Particles >6µm are abnormally high. Particles >21µm and oil cleanliness are abnormally high.

Fluid Condition

Visc @ 100°C is abnormally low.

SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Department		Client Info		Sales		
Sample From		Client Info		Machine		
Production Stage		Client Info		Initial		
Sent to WC		Client Info		12/15/2023		
Sample Number		Client Info		E30000702		
Sample Date		Client Info		13 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		▲ 80		
Chromium	ppm	ASTM D5185(m)		<1		
Nickel	ppm	ASTM D5185(m)		1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)		1		
Lead	ppm	ASTM D5185(m)		<1		
Copper	ppm	ASTM D5185(m)		3		
Tin	ppm	ASTM D5185(m)		2		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		7		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		10		
Calcium	ppm	ASTM D5185(m)		12		
Phosphorus	ppm	ASTM D5185(m)		6		
Zinc	ppm	ASTM D5185(m)		6		
Sulfur	ppm	ASTM D5185(m)		3651		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		2		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*		<b>6.073</b>		
ppm Water	ppm	ASTM D6304*		<b>6</b> 50739		



70 60

icke

# **OIL ANALYSIS REPORT**

Particle Count	FLUID CL
2,860 Severe 0,720 Abnormal 6,680	Particles >4µ Particles >6µ Particles >14
480 120- 30- 8-	Particles >14 Particles >21 Particles >38 Particles >38 Particles >71
2 0 4 4 4 6 4 6 4 1 4 4 2 1 4 3	Oil Cleanline
▲ Water (KF)	T LOID DE
0000 T	Acid Number
000 -	VISUAL
0000 -	White Metal
0000	Yellow Metal
0000	Precipitate
	Silt
13/23	EZE Debris Sand/Dirt
Deci	
▲ Viscosity @ 100°C	Appearance Odor
<sup>30</sup> T	Emulsified W
25 - Abnormal	Free Water
200	
15 - 9	FLUID PR
10	Visc @ 40°C
5-	Visc @ 100°
1323 1323 170	- SAMPLE I
Dec	Der
A Particle Trend	Color
400k	
200k - 14µm 100k - 100k - 14µm	
2001	Bottom
200k -	
0k Abnormal	3
Dec13/22	Dec13/23
eci	0

Acid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history1         White Metal       scalar       Visual*       NONE       NONE           Yellow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Obbris       scalar       Visual*       NONE       NONE           Odor       scalar       Visual*       NONE       VIITE           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Color       scalar       Visual*       NORML       MILKY           FLUID PROPERTIES       method       limit/base       current       history1       history1         Visc@ 40°C       cSt	Particles >6µm ASTM D7647 >2500 ▲ 176974 Particles >14µm ASTM D7647 >320 3974 Particles >14µm ASTM D7647 >30 ▲ 533 Particles >38µm ASTM D7647 >20 7 Particles >38µm ASTM D7647 >20 7 Particles >71µm ASTM D7647 >4 0 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOHg ASTM D974* 0.24 VISUAL method limit/base current history1 history2 Acid Number (AN) mg KOHg ASTM D974* 0.24 VISUAL method limit/base current history1 history2 White Metal scalar Visual* NONE NONE Precipitate scalar Visual* NONE NONE Sitt scalar Visual* NONE NONE Sitt scalar Visual* NONE NONE Papearance scalar Visual* NONE NONE Emulsified Water scalar Visual* NORML AMILKY Emulsified Water scalar Visual* NORML AMILKY Emulsified Water scalar Visual* NORML AMILKY FLUID PROPERTIES method limit/base current history1 history2 Afric @ 40°C cSt ASTM D7279m  4.9 SAMPLE IMAGES method limit/base current history1 history2 Color no image no image	FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >14µm ASTM D7647 >320 <b>3974</b> Particles >21µm ASTM D7647 >80 ▲ 533 Particles >38µm ASTM D7647 >20 7 Particles >71µm ASTM D7647 >4 0 FLUID DEGRADATION method limit/base current history1 history Acid Number (AN) mg KOHg ASTM D974* 0.24 VISUAL method limit/base current history1 history Acid Number (AN) mg KOHg ASTM D974* 0.24 VISUAL method limit/base current history1 history Acid Number (AN) mg KOHg ASTM D974* NONE NONE VISUAL method limit/base current history1 history Acid Number (AN) mg KOHg ASTM D974* NONE NONE VISUAL method limit/base current history1 history Acid Number (AN) mg KOHg ASTM D974* NONE NONE Sand/Dirt scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE NONE Emulsified Water scalar Visual* NONE NONE FLUID PROPERTIES method limit/base current history1 history Arist @ 40°C cSt ASTM D7279(m) 239 SAMPLE IMAGES method limit/base current history1 history Arist @ 40°C cSt ASTM D7279(m) 4.9 SAMPLE IMAGES method limit/base current history1 history Color no image no image	Particles >14µm ASTM D7647 >320 3974 Particles >21µm ASTM D7647 >80 ▲ 533 Particles >38µm ASTM D7647 >20 7 Particles >71µm ASTM D7647 >4 0 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOHg ASTM D974* 0.24 VISUAL method limit/base current history1 history2 White Metal scalar Visual* NONE NONE Precipitate scalar Visual* NONE NONE	Particles >4µm		ASTM D7647	>10000	<b>459702</b>		
articles >21 µm       ASTM D7647       >80       533           Particles >38µm       ASTM D7647       >20       7           Particles >38µm       ASTM D7647       >4       0           Particles >71µm       ASTM D7647       >4       0           Particles >21µm       ASTM D7647       >4       0           Particles >21µm       ASTM D7647       >4       0           Particles       Stand 201       Mill       ASTM D7647       >4       0           Particles       scalar       Visual*       NONE       NONE            VISUAL       method       Imit/base       current       history1	articles >21 µm       ASTM D7647       >80       A 533           Particles >38µm       ASTM D7647       >20       7           Particles >38µm       ASTM D7647       >4       0           Particles >71µm       ASTM D7647       >4       0           Particles >20/18/15       Mone       Current       history1       history2         Acid Number (AN)       mg KOHg       ASTM D7647       NONE       NONE          VISUAL       method       limit/base       current       history1       history2         Visual*       NONE       NONE            Particite scalar       Visual* <td>articles &gt;6µm</td> <td></td> <td>ASTM D7647</td> <td>&gt;2500</td> <td><b>A</b> 176974</td> <td></td> <td></td>	articles >6µm		ASTM D7647	>2500	<b>A</b> 176974		
articles >38µm       ASTM D7647       >20       7           bit Cleanliness       ISO 4406 (c)       >20/18/15       26/25/19           FLUID DEGRADATION       method       limit/base       current       history1       history1         cid Number (AN)       mgK0Hg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history1         v/hite Metal       scalar       Visual*       NONE       NONE           fellow Metal       scalar       Visual*       NONE       NONE           recipitate       scalar       Visual*       NONE       NONE           itt       scalar       Visual*       NONE       NONE           itt       scalar       Visual*       NONE       VLITE           itt       scalar       Visual*       NORML       MILKY           itt       scalar       Visual*       NORML       1%           ittt       scalar       Visual*	harticles >38µm       ASTM D7647       >20       7           harticles >71µm       ASTM D7647       >4       0           bil Cleanliness       ISO 4406 (c)       >20/18/15       26/25/19           FLUID DEGRADATION       method       limit/base       current       history1       history2         cid Number (AN)       mg K0Hg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history2         vite Metal       scalar       Visual*       NONE       NONE           fellow Metal       scalar       Visual*       NONE       NONE           itt       scalar       Visual*       NONE       NONE           itt       scalar       Visual*       NONE       NONE           itt       scalar       Visual*       NORML       MILKY           itt       scalar       Visual*       NORML       1%           ittt       scalar       Visual*       NORML	articles >14µm		ASTM D7647	>320	3974		
harticles >71 µm       ASTM D7647       >4       0           bil Cleanliness       ISO 4406 (c)       >20/18/15       26/25/19           FLUID DEGRADATION       method       limit/base       current       history1       history         cid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history1         visual*       NONE       NONE            VISUAL       method       limit/base       current       history1       history1         Visual*       NONE       NONE            VISUAL       method       limit/base       current       history1       history1         Visual*       NONE       NONE            recipitate       scalar       Visual*       NONE       NONE           otor       scalar       Visual*       NONE       NONE            otor       scalar       Visual*       NORML       MiLKY	harticles >71 µm       ASTM D7647       >4       0           bil Cleanliness       ISO 4406 (c)       >20/18/15       ▲ 26/25/19           FLUID DEGRADATION       method       limit/base       current       history1       history2         cid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history2         Vite Metal       scalar       Visual*       NONE           Yold Metal       scalar       Visual*       NONE       NONE          recipitate       scalar       Visual*       NONE       NONE           tit       scalar       Visual*       NONE       NONE           tit       scalar       Visual*       NONE       NONE           odor       scalar       Visual*       NONE       NORML           odor       scalar       Visual*       NORML       MILKY           ppearance       scalar       Visual*       NORML       NORM	articles >21µm		ASTM D7647	>80	<u> </u>		
Dil Cleanliness     ISO 4406 (c)     >20/18/15 ▲     26/25/19         FLUID DEGRADATION     method     limit/base     current     history1     history1       noistory1     Mill     ASTM D974*     0.24         VISUAL     method     limit/base     current     history1     history1       Visual*     NONE     NONE         Visual*     NONE     NONE         fellow Metal     scalar     Visual*     NONE     NONE        rerecipitate     scalar     Visual*     NONE     NONE        poebris     scalar     Visual*     NONE     NONE        outpearance     scalar     Visual*     NONE     VLITE        outpearance     scalar     Visual*     NORML     MILKY         outpearance     scalar     Visual*     NORML     NORML         outpearance     scalar     Visual*     NORML     NORML         outpearance     scalar     Visual*     NORML     NORML         fisc @ 40°C     cSt     ASTM D7279(m)     239 <t< td=""><td>Dil Cleanliness       ISO 4406 (c)       &gt;20/18/15       ▲ 26/25/19           FLUID DEGRADATION       method       limit/base       current       history1       history2         xcid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history2         Vhite Metal       scalar       Visual*       NONE           Yorecipitate       scalar       Visual*       NONE           veloris       scalar       Visual*       NONE       NONE           Operative       scalar       Visual*       NONE       NONE           Visual*       NONE       NONE             Operative       scalar       Visual*       NONE       NONE           Operative       scalar       Visual*       NORML       NORML            Operative       scalar       Visual*       NORML       NORML           <td>Particles &gt;38µm</td><td></td><td>ASTM D7647</td><td>&gt;20</td><td>7</td><td></td><td></td></td></t<>	Dil Cleanliness       ISO 4406 (c)       >20/18/15       ▲ 26/25/19           FLUID DEGRADATION       method       limit/base       current       history1       history2         xcid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history2         Vhite Metal       scalar       Visual*       NONE           Yorecipitate       scalar       Visual*       NONE           veloris       scalar       Visual*       NONE       NONE           Operative       scalar       Visual*       NONE       NONE           Visual*       NONE       NONE             Operative       scalar       Visual*       NONE       NONE           Operative       scalar       Visual*       NORML       NORML            Operative       scalar       Visual*       NORML       NORML <td>Particles &gt;38µm</td> <td></td> <td>ASTM D7647</td> <td>&gt;20</td> <td>7</td> <td></td> <td></td>	Particles >38µm		ASTM D7647	>20	7		
FLUID DEGRADATION       method       limit/base       current       history1       history1         Acid Number (AN)       mg KOH/g       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history         Visual*       NONE       NONE            Visual*       NONE       NONE            Velow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE            Silt       scalar       Visual*       NONE       NONE            SoldDirt       scalar       Visual*       NONE       VIITE            Sand/Dirt       scalar       Visual*       NORML       MILKY            Sand/Dirt       scalar       Visual*       NORML       MILKY            Soldor       scalar       Visual*       NORML       MILKY	FLUID DEGRADATION       method       limit/base       current       history1       history2         Acid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history2         Vhite Metal       scalar       Visual*       NONE       NONE           Velow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Sold/Dirt       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Sand/Dirt       scalar       Visual*       NORML       MILKY           Sand/Dirt       scalar       Visual*       NORML       MILKY           Sand/Dirt       scalar       Visual*       NORML       MILKY           Emulsified Wat	Particles >71µm		ASTM D7647	>4	0		
Acid Number (AN)       mg KOHg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history1         White Metal       scalar       Visual*       NONE       NONE           Velow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Siti       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VIITE           Odor       scalar       Visual*       NORML       MILKY           Emulsified Water       scalar       Visual*       NORML       NORML       normality       notype         FLUID PROPERTIES       method       limit/base       current       history1       history1         Kisc @ 40°C       cSt       ASTM D7279(m)       239           SAMPLE IMAGES       <	Acid Number (AN)       mg K0Hg       ASTM D974*       0.24           VISUAL       method       limit/base       current       history1       history2         White Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Obbits       scalar       Visual*       NONE       NONE           Odor       scalar       Visual*       NORML       MILKY           Color       scalar       Visual*       NORML       MILKY           FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc@ 40°C       cSt       ASTM D7279(m)       239           SAMPLE IMAGES       method       li	Dil Cleanliness		ISO 4406 (c)	>20/18/15	<b>A</b> 26/25/19		
VISUAL     method     limit/base     current     history1     history1       White Metal     scalar     Visual*     NONE         Yellow Metal     scalar     Visual*     NONE     NONE         Precipitate     scalar     Visual*     NONE     NONE         Silt     scalar     Visual*     NONE     NONE         Debris     scalar     Visual*     NONE     NONE         Sand/Dirt     scalar     Visual*     NONE     NONE         Appearance     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     NORML         Odor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     2%         FLUID PROPERTIES     method     limit/base     current     history1     history       Visc @ 40°C     cSt     ASTM D7279(m)     4 .9 <tr< td=""><td>VISUAL     method     limit/base     current     history1     history2       White Metal     scalar     Visual*     NONE         Yellow Metal     scalar     Visual*     NONE     NONE         Precipitate     scalar     Visual*     NONE     NONE         Silt     scalar     Visual*     NONE     NONE         Debris     scalar     Visual*     NONE     NONE         Sand/Dirt     scalar     Visual*     NONE     NONE         Appearance     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     2%         FLUID PROPERTIES     method     limit/base     current     history1     history2       Visc@ 40°C     cSt     ASTM D7279(m)     4.9     </td><td>FLUID DEGRAD</td><td>ATION</td><td>method</td><td>limit/base</td><td>current</td><td>history1</td><td>history2</td></tr<>	VISUAL     method     limit/base     current     history1     history2       White Metal     scalar     Visual*     NONE         Yellow Metal     scalar     Visual*     NONE     NONE         Precipitate     scalar     Visual*     NONE     NONE         Silt     scalar     Visual*     NONE     NONE         Debris     scalar     Visual*     NONE     NONE         Sand/Dirt     scalar     Visual*     NONE     NONE         Appearance     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     MILKY         Odor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     2%         FLUID PROPERTIES     method     limit/base     current     history1     history2       Visc@ 40°C     cSt     ASTM D7279(m)     4.9	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
White Metal       scalar       Visual*       NONE       NONE           Yellow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Solt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%            FLUID PROPERTIES       method       limit/base       current       history1       history1         Visc @ 100°	White Metal       scalar       Visual*       NONE       NONE           Yellow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Solt       scalar       Visual*       NONE       NONE           Solt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NORML       MILKY           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       NORML       NORML           FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @	Acid Number (AN)	mg KOH/g	ASTM D974*		0.24		
Yellow Metal       scalar       Visual*       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VIITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%            FLUID PROPERTIES       method       limit/base       current       history1       history1         Visc @ 40°C       cSt       ASTM D7279(m)       ▲ 4.9           SAMPLE IMAGES       method <td>Yellow Metal       scalar       Visual*       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MORML           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%            FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 100°C       cSt       ASTM D7279(m)       A 19           SAMPLE IMAGES</td> <td>VISUAL</td> <td></td> <td>method</td> <td>limit/base</td> <td>current</td> <td>history1</td> <td>history2</td>	Yellow Metal       scalar       Visual*       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MORML           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%            FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 100°C       cSt       ASTM D7279(m)       A 19           SAMPLE IMAGES	VISUAL		method	limit/base	current	history1	history2
Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE            Debris       scalar       Visual*       NONE       NONE            Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history         Visc @ 40°C       cSt       ASTM D7279(m)       4.9           SAMPLE IMAGES       me	Precipitate       scalar       Visual*       NONE           Silt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 40°C       cSt       ASTM D7279(m)       4.9           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Imethod       limit/base <t< td=""><td>White Metal</td><td>scalar</td><td>Visual*</td><td>NONE</td><td>NONE</td><td></td><td></td></t<>	White Metal	scalar	Visual*	NONE	NONE		
Silt       scalar       Visual*       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history1         /isc @ 40°C       cSt       ASTM D7279(m)       4.9            SAMPLE IMAGES       method       limit/base       current       history1       history         Color       Color       method	Silt       scalar       Visual*       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MORML           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history2         /isc @ 40°C       cSt       ASTM D7279(m)       A 4.9           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Imethod       limit/base	ellow Metal	scalar	Visual*	NONE	NONE		
Silt scalar Visual* NONE NONE Debris scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE VLITE Appearance scalar Visual* NORML ▲ MILKY Door scalar Visual* NORML NORML Emulsified Water scalar Visual* .2% Emulsified Water scalar Visual* .2% Free Water scalar Visual* .2% FLUID PROPERTIES method limit/base current history1 history /isc @ 40°C cSt ASTM D7279(m) 239 SAMPLE IMAGES method limit/base current history1 history Color	Silt scalar Visual* NONE NONE Debris scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE VLITE Appearance scalar Visual* NORML ▲ MILKY Door scalar Visual* NORML NORML Emulsified Water scalar Visual* NORML NORML Emulsified Water scalar Visual* 1% Free Water scalar Visual* ▲ 1% FLUID PROPERTIES method limit/base current history1 history2 /isc @ 40°C cSt ASTM D7279(m) ▲ 4.9 SAMPLE IMAGES method limit/base current history1 history2 Color	Precipitate	scalar	Visual*	NONE	NONE		
Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       NORML       AMILKY           Free Water       scalar       Visual*       2%            FLUID PROPERTIES       method       limit/base       current       history1       history1         /isc @ 40°C       cSt       ASTM D7279(m)       4.9           SAMPLE IMAGES       method       limit/base       current       history1       history1         Color	Debris       scalar       Visual*       NONE           Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       NORML            Free Water       scalar       Visual*        A       1%           FLUID PROPERTIES       method       limit/base       current       history1       history2         /isc @ 40°C       cSt       ASTM D7279(m)       A 4.9           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color		scalar	Visual*	NONE	NONE		
Sand/Dirit       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history         /isc @ 40°C       cSt       ASTM D7279(m)       239           SAMPLE IMAGES       method       limit/base       current       history1       history         Color       Image       no image       no image       no image       no image	Sand/Dirt       scalar       Visual*       NONE       VLITE           Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history2         /isc @ 40°C       cSt       ASTM D7279(m)       239           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Image       limit/base       current       history1       history2				_	-		
Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML            Emulsified Water       scalar       Visual*       .2%            Free Water       scalar       Visual*       .2%            FLUID PROPERTIES       method       limit/base       current       history1       history         /isc @ 40°C       cSt       ASTM D7279(m)       239           /isc @ 100°C       cSt       ASTM D7279(m)       ▲ 1.9           SAMPLE IMAGES       method       limit/base       current       history1       history         Color	Appearance       scalar       Visual*       NORML       MILKY           Odor       scalar       Visual*       NORML       NORML            Emulsified Water       scalar       Visual*       .2%            Free Water       scalar       Visual*       .2%            FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 40°C       cSt       ASTM D7279(m)       239           Visc @ 100°C       cSt       ASTM D7279(m)       4.9           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color	Sand/Dirt			NONE	VLITE		
NORML       NORML           Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       ▲ 1%           FLUID PROPERTIES       method       limit/base       current       history1       history         /isc @ 40°C       cSt       ASTM D7279(m)       239           /isc @ 100°C       cSt       ASTM D7279(m)       ▲ 4.9           SAMPLE IMAGES       method       limit/base       current       history1       history         Color       Image       limit/base       current       history1       history	NORML       NORML           Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       .2%           FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 40°C       cSt       ASTM D7279(m)       239           Visc @ 100°C       cSt       ASTM D7279(m)       A 19           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Imit/base       current       history1       history2		scalar	Visual*	NORML			
Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       1%           FLUID PROPERTIES       method       limit/base       current       history1       history         Visc @ 40°C       cSt       ASTM D7279(m)       239           Visc @ 100°C       cSt       ASTM D7279(m)       ▲ 4.9           SAMPLE IMAGES       method       limit/base       current       history1       history         Color       Image       limit/base       current       history1       history	Emulsified Water       scalar       Visual*       .2%           Free Water       scalar       Visual*       1%           FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 40°C       cSt       ASTM D7279(m)       239           Visc @ 100°C       cSt       ASTM D7279(m)       A 4.9           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Imit/base       current       history1       history2							
Free Water       scalar       Visual*       ▲       1%           FLUID PROPERTIES       method       limit/base       current       history1       history         Visc @ 40°C       cSt       ASTM D7279(m)       239           Visc @ 100°C       cSt       ASTM D7279(m)       ▲       4.9           SAMPLE IMAGES       method       limit/base       current       history1       history         Color       Imit/base       current       no image       no image	Free Water       scalar       Visual*       1%           FLUID PROPERTIES       method       limit/base       current       history1       history2         Visc @ 40°C       cSt       ASTM D7279(m)       239           Visc @ 100°C       cSt       ASTM D7279(m)       4.9           SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Imit/base       current       no image       no image							
Visc @ 40°C cSt ASTM D7279(m) 239 Visc @ 100°C cSt ASTM D7279(m) ▲ 4.9 SAMPLE IMAGES method limit/base current history1 history Color	Visc @ 40°C cSt ASTM D7279(m) 239 Visc @ 100°C cSt ASTM D7279(m) A 4.9 SAMPLE IMAGES method limit/base current history1 history2 Color no image no image							
/isc @ 100°C       cSt       ASTM D7279(m) <ul> <li>4.9</li> <li></li> <li>SAMPLE IMAGES</li> <li>method</li> <li>limit/base</li> <li>current</li> <li>history1</li> <li>history</li> </ul> Color <ul> <li>no image</li> <li>no image</li> <li>no image</li> </ul>	/isc @ 100°C       cSt       ASTM D7279(m) <ul> <li>4.9</li> <li></li> </ul> SAMPLE IMAGES       method       limit/base       current       history1       history2         Color <ul> <li>no image</li> <li>no image</li> <li>no image</li> <li>no image</li> </ul>	FLUID PROPER	TIES	method	limit/base	current	history1	history2
/isc @ 100°C       cSt       ASTM D7279(m) <ul> <li>4.9</li> <li></li> <li>SAMPLE IMAGES</li> <li>method</li> <li>limit/base</li> <li>current</li> <li>history1</li> <li>history</li> </ul> Color <ul> <li>no image</li> <li>no image</li> <li>no image</li> </ul>	/isc @ 100°C       cSt       ASTM D7279(m) <ul> <li>4.9</li> <li></li> </ul> SAMPLE IMAGES       method       limit/base       current       history1       history2         Color <ul> <li>no image</li> <li>no image</li> <li>no image</li> <li>no image</li> </ul>	/isc @ 40°C	cSt	ASTM D7279(m)		239		
SAMPLE IMAGES     method     limit/base     current     history1     history       Color     Imit/base     no image     no image     no image	SAMPLE IMAGES       method       limit/base       current       history1       history2         Color       Imit/base       no image       no image       no image	-		. ,				
Color no image no image	Color no image no image			N 7	Day 100	-		
		SAMPLE IMAGE	5	method	limit/base	current	history1	history2
Bottom no image no image	Bottom no image no image	Color					no image	no image
Bottom no image no image	Bottom no image no image							
Bottom no image no image	Bottom no image no image							
		-					no image	no image
		Bottom						
		Bottom				COLUMN AND AND AND AND AND AND AND AND AND AN		
		Bottom						
		3ottom						
		Bottom						I
		Bottom						
		Bottom						
		Bottom						
		Bottom						
		Bottom						
		Bottom						
		Bottom						
		Bottom						
		WearCheck - C8-11		•	-	.7L 5H9 <b>Env</b>		
E30000702 Recieved : 19 Dec 2023 640 Victoria St	E30000702 Recieved : 19 Dec 2023 640 Victoria Stre	WearCheck - C8-11 E30000702	Recieved	<b>d</b> : 19 [	Dec 2023	.7L 5H9 <b>Env</b>		) Victoria Stree
E30000702         Recieved         : 19 Dec 2023         640 Victoria St           02604275         Diagnosed         : 22 Dec 2023         Cobourg,	E30000702         Recieved         : 19 Dec 2023         640 Victoria Stre           02604275         Diagnosed         : 22 Dec 2023         Cobourg, C	WearCheck - C8-11 E30000702 02604275	Recieved Diagnos	d : 19 [ ed : 22 [	Dec 2023 Dec 2023	.7L 5H9 <b>Env</b>		Victoria Stree Cobourg, O
E30000702Recieved: 19 Dec 2023640 Victoria St02604275Diagnosed: 22 Dec 2023Cobourg,5697360Diagnostician: Tatiana SorkinaCA K9A St	E30000702         Recieved         : 19 Dec 2023         640 Victoria Stre           02604275         Diagnosed         : 22 Dec 2023         Cobourg, C           5697360         Diagnostician         : Tatiana Sorkina         CA K9A 5H	WearCheck - C8-11 E30000702 02604275 5697360	Recieved Diagnose Diagnose	d : 19 [ ed : 22 [ tician : Tati	Dec 2023 Dec 2023 ana Sorkina		640	Victoria Stree Cobourg, O CA K9A 5H

To discuss this sample report, contact Customer Service at 1-905-372-2251. 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.

Dec13/23

Laboratory

Sample No. Lab Number

Unique Number Test Package

Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939 F: (905)373-4950

CALA

ISO 17025:2017 Accredited Laboratory