

# WEAR NORMAL CONTAMINATION SEVERE FLUID CONDITION NORMAL

#### Machine Id GENERAC 1 Component Natural Gas Engine Fluid MOBIL 1 5W30 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

#### WEAR

Metal levels are typical for a new component breaking in.

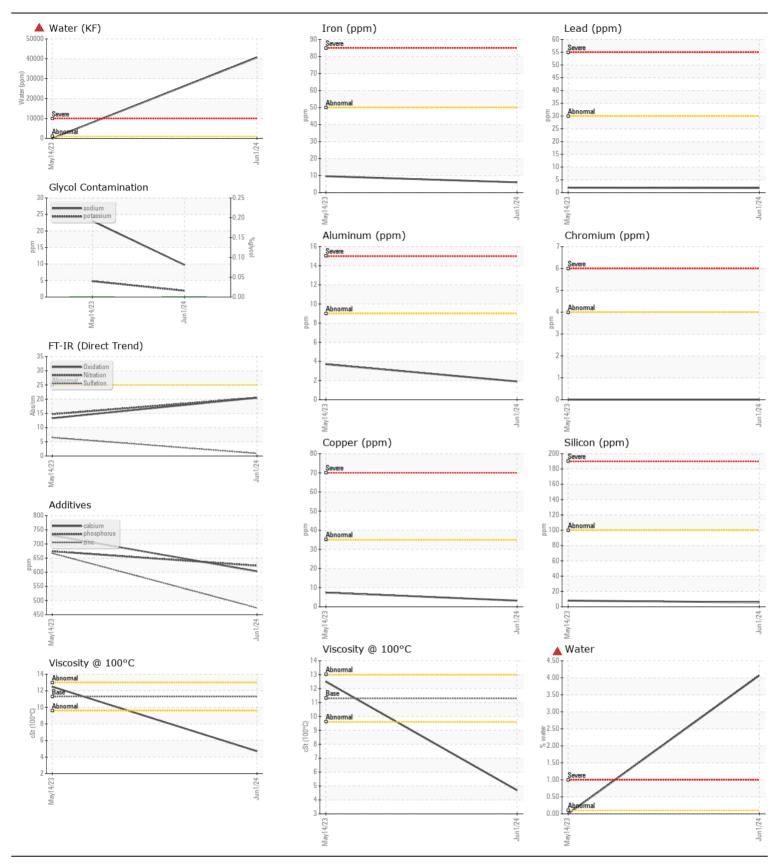
### CONTAMINATION

There is a high concentration of water present in the oil. Test for glycol is negative.

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Test  UOM  Method  Limit/Ab  Current  History1  History2    Sample Number  Client Info  01 Jun 2021  14 May 2023     Sample Date  Client Info  0  11 Jun 2021  14 May 2023     Oil Age  hrs  Client Info  5  0     Oil Age  hrs  Client Info  Changed  Changed  Changed     Oil Changed  Client Info  Changed  Changed      Filter Changed  Client Info  Changed  No      Filter Changed  ppm  ASTM D5185(m)  >50  6  10     Chromium  ppm  ASTM D5185(m)  >4  0  0     Silver  ppm  ASTM D5185(m)  >3  0  0     Aluminum  ppm  ASTM D5185(m)  >3  3  7     Silver  ppm  ASTM D5185(m)  >3  3 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Sample Date  Client Info  01 Jun 2024  14 May 2023     Machine Age  hrs  Client Info  50  16     Oil Age  hrs  Client Info  0  0     Filter Age  hrs  Client Info  Changed  Changed     Filter Changed  Client Info  Changed  N/A     Sample Status  SEVERE  ABNORMAL     Iron  ppm  ASTM0585(m)  >50  6  10     Chromium  ppm  ASTM0585(m)  >2  0  0     Silver  ppm  ASTM0585(m)  >3  0  0     Aluminum  ppm  ASTM0585(m)  >30  2  2     Vanadium  ppm  ASTM0585(m)  >30  2      Vanadium  ppm  ASTM0585(m)  >4  06  8     Vanadium  ppm  ASTM0585(m)	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age  hrs  Client Info  50  16     Oil Age  hrs  Client Info  5  0     Filter Age  nrs  Client Info  Changed  Changed     Filter Changed  Client Info  Changed  N/A     Sample Status  SEVERE  ABNORMAL     Iron  ppm  ASTMD5185(m)  >50  6  10     Chromium  ppm  ASTMD5185(m)  >22  0  0     Silver  ppm  ASTMD5185(m)  >30  2  2     Aluminum  ppm  ASTMD5185(m)  >30  2  2     Vanadium  ppm  ASTMD5185(m)  >30  2      Vanadum  ppm  ASTMD5185(m)  >30  2      Vanadum  ppm  ASTMD5185(m)  >20  2      Vanadum  ppm  <	Sample Number		Client Info		WC0931992	WC0820638	
Oil Age  hrs  Client Info  5  0     Filter Age  hrs  Client Info  Changed  Changed     Filter Changed  Client Info  Changed  N/A     Sample Status  Stute Info  Changed  N/A     Iron  ppm  ASTM D5185(m)  >50  6  10     Chromium  ppm  ASTM D5185(m)  >20  0     Nickel  ppm  ASTM D5185(m)  >2  0  0     Titanium  ppm  ASTM D5185(m)  >3  0  0     Silver  ppm  ASTM D5185(m)  >3  0      Copper  ppm  ASTM D5185(m)  >4  0      Vanaduim  ppm  ASTM D5185(m)  >4.00  <     Vanaduim  ppm  ASTM D5185(m)  >-10  6  8     Veltow Metal	Sample Date		Client Info		01 Jun 2024	14 May 2023	
Filter Age Oil Changed  Nrs  Client Info  O  O     Oil Changed  Client Info  Changed  Changed     Sample Status  SEVERE  ABNORMAL     Iron  ppm  ASTM D585(m)  >50  6  10     Iron  ppm  ASTM D585(m)  >4  0  0     Nickel  ppm  ASTM D585(m)  >3  0      Silver  ppm  ASTM D585(m)  >3  0  0     Copper  ppm  ASTM D585(m)  >30  2  2     Vanadium  ppm  ASTM D585(m)  >30  2      Vanadium  ppm  ASTM D585(m)  >4  0      Vanadium  ppm  ASTM D585(m)  >20  2  5     Vanadium  ppm  ASTM D585(m)  >20  2  5     Velow Metal<	Machine Age	hrs	Client Info		50	16	
Oil Changed  Client Info  Changed  Changed	Oil Age	hrs	Client Info		5	0	
Filter Changed Sample Status  Client Info  Changed SEVERE  N/A	Filter Age	hrs	Client Info		0	0	
Sample Status  SEVERE  ABNORMAL     Iron  ppm  ASTM D5165(m)  >>50  6  10     Chromium  ppm  ASTM D5165(m)  >>2  0  0     Titanium  ppm  ASTM D5165(m)  >2  0  0     Silver  ppm  ASTM D5165(m)  >3  0  0     Aluminum  ppm  ASTM D5165(m)  >3  3  7     Lead  ppm  ASTM D5165(m)  >3  3  7     Vanadium  ppm  ASTM D5165(m)  >3  3  7     Vanadium  ppm  ASTM D5165(m)  >4  0  <1     Vanadium  ppm  ASTM D5165(m)  >20  2  5     Vanadium  ppm  ASTM D5165(m)  >20  2  5     Vanadium  ppm  ASTM D5165(m)  >20  2  5	Oil Changed		Client Info		Changed	Changed	
Iron  ppm  ASTM D5165(m)  >50  6  10     Chromium  ppm  ASTM D5165(m)  >2  0  0     Nickel  ppm  ASTM D5165(m)  >2  0  0     Titanium  ppm  ASTM D5165(m)  >3  0  0     Aluminum  ppm  ASTM D5165(m)  >30  2  2     Copper  ppm  ASTM D5165(m)  >30  2  2     Vanadium  ppm  ASTM D5165(m)  >30  2  2     Vanadium  ppm  ASTM D5165(m)  >30  2  2     Vanadium  ppm  ASTM D5165(m)  >4  0  0     Vanadium  ppm  ASTM D5165(m)  >-10  6  8     Vanadium  ppm  ASTM D5165(m)  >20  2  5     Vanadium  ppm  ASTM D5165(m)	Filter Changed		Client Info		Changed	N/A	
Chromium  ppm  ASTM D5185(m)  >-2  0  0     Nickel  ppm  ASTM D5185(m)  >2  0  0     Titanium  ppm  ASTM D5185(m)  >3  0  0     Silver  ppm  ASTM D5185(m)  >30  2  2     Lead  ppm  ASTM D5185(m)  >30  2  2     Copper  ppm  ASTM D5185(m)  >30  2  2     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >20  2  5     Vellow Metal  scalar  Visual*  NONE  NONE      Silicon  ppm  ASTM D5185(m)	Sample Status				SEVERE	ABNORMAL	
Chromium  ppm  ASTM D5185(m)  >-2  0  0     Nickel  ppm  ASTM D5185(m)  >2  0  0     Titanium  ppm  ASTM D5185(m)  >3  0  0     Silver  ppm  ASTM D5185(m)  >30  2  2     Lead  ppm  ASTM D5185(m)  >30  2  2     Copper  ppm  ASTM D5185(m)  >30  2  2     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >20  2  5     Vellow Metal  scalar  Visual*  NONE  NONE      Silicon  ppm  ASTM D5185(m)							
Nickel  ppm  ASTM D5185(m)  >2  0  0     Titanium  ppm  ASTM D5185(m)  >3  0  0     Silver  ppm  ASTM D5185(m)  >3  0  0     Aluminum  ppm  ASTM D5185(m)  >30  2  2     Copper  ppm  ASTM D5185(m)  >30  2  2     Vanadium  ppm  ASTM D5185(m)  >30  0  0     Vanadium  ppm  ASTM D5185(m)  >40  0  0     Vanadium  ppm  ASTM D5185(m)  >40  0  0     Vanadium  ppm  ASTM D5185(m)  >20  2  5     Vellow Metal  scalar  Visual*  NONE  NONE      Silicon  ppm  ASTM D5185(m)  >20  2  5     Silit  scalar  NDS1805(m)					-		
Titanium  ppm  ASTM D5185(m)  □  0  <1			( )		-		
Silver  ppm  ASTM D5185(m)  >3  0  0     Aluminum  ppm  ASTM D5185(m)  >9  2  4     Lead  ppm  ASTM D5185(m)  >30  2  2     Copper  ppm  ASTM D5185(m)  >35  3  7     Vanadium  ppm  ASTM D5185(m)  >4  0  <1				>2	-		
Aluminum  ppm  ASTM D5185(m)  >9  2  4     Lead  ppm  ASTM D5185(m)  >30  2  2     Copper  ppm  ASTM D5185(m)  >35  3  7     Vanadium  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >4  0  0     Vanadium  ppm  ASTM D5185(m)  >4  0  0     Vanadium  ppm  ASTM D5185(m)  >+100  6  8     Yellow Metal  scalar  Visual*  NONE  NONE      Silicon  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D5185(m)  >20  2  5     Glycol  %  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/1mm  ASTM D7624* <th></th> <th></th> <th>1 I I I I I I I I I I I I I I I I I I I</th> <th></th> <th>-</th> <th></th> <th></th>			1 I I I I I I I I I I I I I I I I I I I		-		
Lead  ppm  ASTM D5185(m)  >30  2  2     Copper  ppm  ASTM D5185(m)  >35  3  7     Tin  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  >4  0  0     White Metal  scalar  Visual*  NONE  NONE  NONE     Yellow Metal  scalar  Visual*  NONE  NONE  NONE     Silicon  ppm  ASTM D5185(m)  >-10  6  8     Water  %  ASTM D5185(m)  >20  2  5     pm Water  ppm  ASTM D5185(m)  >20  4  406663      Soto %  %  ASTM D7824*  >20  20.5  14.7     Soto %  %  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/:1m					-		
Copper  ppm  ASTM D5186(m)  >35  3  7     Tin  ppm  ASTM D5185(m)  >4  0  <1     Vanadium  ppm  ASTM D5185(m)  NONE  NONE  NONE     White Metal  scalar  Visual*  NONE  NONE  NONE     Yellow Metal  scalar  Visual*  NONE  NONE  NONE     Silicon  ppm  ASTM D5185(m)  >+100  6  8     Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D6304*  >0.1  ▲ 4.0663      Glycol  %  ASTM D7922*  0.0  0.0      Sotd %  %  ASTM D7644*  >20  20.5  14.7     Sulfation  Abs/rm  ASTM D7644*  >20  20.5  14.7     Sand/Dirt  scalar <th></th> <th></th> <th>1 I I I I I I I I I I I I I I I I I I I</th> <th></th> <th>_</th> <th></th> <th></th>			1 I I I I I I I I I I I I I I I I I I I		_		
Tin  ppm  ASTM D5185(m)  >-4  0  <1			1 7		_		
Vanadium  ppm  ASTM D5185(m)  0  0     White Metal  scalar  Visual*  NONE  NONE  NONE     Yellow Metal  scalar  Visual*  NONE  NONE  NONE     Silicon  ppm  ASTM D5185(m)  >+100  6  8     Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D504*  >0.1  ▲ 4.066      gpm Water  ppm  ASTM D504*  >0.1  ▲ 4.0663      Glycol  %  ASTM D7922*  0.0  0.0      Sodt %  %  ASTM D764*  >20  20.5  14.7     Sulfation  Abs/cm  ASTM D7145*  >30  0.9  6.5     Sulfation  Abs/cm  NONE  NONE  NONE     Sulfation  scalar  Visual*					-		
White Metal  scalar  Visual*  NONE  NONE  NONE  NONE  NONE     Yellow Metal  scalar  Visual*  NONE  NONE  NONE     Silicon  ppm  ASTM D5185(m)  >+100  6  8     Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D6304*  >0.1  ▲ 4.066      ppm Water  ppm  ASTM D6304*  >1000  ▲ 4.0663      Glycol  %  ASTM D7922*  0.0  0.0     Soot %  %  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/:mm  ASTM D715*  >30  0.9  6.5     Sulfation  Abs/:mm  ASTM D714*  >30  0.9  6.5     Sulfation  Abs/:mm  ASTM D714*  >00  0.1		ppm	( )	>4		<1	
Yellow Metal  scalar  Visual*  NONE  NONE  NONE     Silicon  ppm  ASTM D5185(m)  >+100  6  8     Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D6304*  >0.0  ▲  40663      ppm Water  ppm  ASTM D6304*  >1000  ▲  40663      Glycol  %  ASTM D7922*  0.0  0.0      Soot %  %  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.mm  ASTM D715*  >30  0.9  6.5     Sulfation  Abs/.mm  ASTM D7141*  >30  0.9  6.5     Debris  scalar  Visual*  NONE  NONE  NONE     Appearance  scalar  Visual*  NORH  MILKY  NORHL					-		
Silicon  ppm  ASTM D5185(m)  >+100  6  8     Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D5185(m)  >20  2  5     ppm Water  ppm  ASTM D5185(m)  >20  2  5     ppm Water  ppm  ASTM D5185(m)  >20  2  5     glycol  %  ASTM D50304*  >0.0  0.0  0.0     Soot %  %  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/:m  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/:m  ASTM D7141*  >30  0.9  6.5     Sulfation  Abs/:m  ASTM D7141*  >30  0.9  6.5     Debris  scalar  Visual*  NONE  NONE  NONE     Appearance  scalar					-		
Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D6304*  >0.1  ▲ 4.066      ppm Water  ppm  ASTM D6304*  >1000  ▲ 40663      Glycol  %  ASTM D7922*  0.0  0.0     Soot %  %  ASTM D7924*  20  20.5  14.7     Sout %  %  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.m  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.m  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.m  ASTM D715*  >30  0.9  6.5     Sulfation  kscalar  Visual*  NONE  NONE  NONE     Debris  scalar  Visual*  NORM  MILKY  NORML     Appearance  scalar	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Potassium  ppm  ASTM D5185(m)  >20  2  5     Water  %  ASTM D6304*  >0.1  ▲ 4.066      ppm Water  ppm  ASTM D6304*  >1000  ▲ 40663      Glycol  %  ASTM D7922*  0.0  0.0     Soot %  %  ASTM D7924*  20  20.5  14.7     Sout %  %  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.m  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.m  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.m  ASTM D715*  >30  0.9  6.5     Sulfation  kscalar  Visual*  NONE  NONE  NONE     Debris  scalar  Visual*  NORM  MILKY  NORML     Appearance  scalar	Silicon	nom	ASTM D5185(m)	>+100	6	8	
Water  %  ASTM D6304*  >0.1  4.066     ppm Water  ppm  ASTM D6304*  >1000  406633      Glycol  %  ASTM D7922*  0.0  0.0     Soot %  %  ASTM D7924*  20.5  14.7     Nitration  Abs/cm  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/cm  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/.1mm  ASTM D7624*  >20  20.5  14.7     Sulfation  Acsalar  Visual*  NORE  NORE  NORE     Debris  scalar  Visual* <th></th> <th></th> <th>1 7</th> <th></th> <th>-</th> <th></th> <th></th>			1 7		-		
ppm  ASTM D6304*  >1000  ▲ 40663      Glycol  %  ASTM D7922*  0.0  0.0     Soot %  %  ASTM D7922*  0.1  0     Soot %  %  ASTM D7844*  0.1  0     Nitration  Abs/cm  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/cm  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/cm  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/cm  ASTM D7415*  >30  0.9  6.5     Sulfation  scalar  Visual*  NONE  NONE      Debris  scalar  Visual*  NOR  NORE  NONE     Appearance  scalar  Visual*  NORM  NORML  NORML     Boron  ppm  ASTMD5185(m)  94  90 <t< th=""><th></th><th></th><th></th><th></th><th>_</th><th></th><th></th></t<>					_		
Glycol  %  ASTM D7922*  0.0  0.0     Soot %  %  ASTM D7924*  0.1  0     Nitration  Abs/cm  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/cm  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/cm  ASTM D7624*  >20  0.9  6.5     Sulfation  Abs/cm  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/cm  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/cm  Visual*  NONE  NONE  NONE     Debris  scalar  Visual*  NORM  NORM  NORML     Appearance  scalar  Visual*  NORM  NORML     Gdor  scalar  Visual*  NORM  NORML     Sodium  ppm  ASTMD5185(m)  94  90							
Soot %  %  ASTM D7844*  0.1  0     Nitration  Abs/cm  ASTM D7624*  >20  20.5  14.7     Sulfation  Abs/tm  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/tm  ASTM D7415*  >30  0.9  6.5     Sulfation  Abs/tm  ASTM D7415*  >30  0.9  6.5     Sulfation  Scalar  Visual*  NONE  NONE  NONE     Debris  scalar  Visual*  NOR  NONE  NONE     Sand/Dirt  scalar  Visual*  NORM  MILKY  NORML     Appearance  scalar  Visual*  NORM  MORML  NORML     Odor  scalar  Visual*  NORML  NORML      Boron  ppm  ASTM D5185(m)  94  90  64     Molybdenum  ppm						0.0	
NitrationAbs/cmASTM D7624*>2020.514.7SulfationAbs/.1mmASTM D7415*>300.96.5SiltscalarVisual*NONENONENONEDebrisscalarVisual*NONENONENONESand/DirtscalarVisual*NORENONENONEAppearancescalarVisual*NORMMILKYNORMLOdorscalarVisual*NORMNORMLNORMLEmulsified WaterscalarVisual*>0.1 <b>A</b> 2% <b>A</b> 5%BoronppmASTM D5185(m)9490644BariumppmASTM D5185(m)0.0 <b>243</b> 206MagneseppmASTM D5185(m)1388677515PhosphorusppmASTM D5185(m)720623674ZincppmASTM D5185(m)780474667SulfurppmASTM D5185(m)780474667SulfurppmASTM D5185(m)224023412571	,						
SulfationAbs/.tmmASTM D7415* Visual*>300.96.5SiltscalarVisual*NONENONENONEDebrisscalarVisual*NONENONENONESand/DirtscalarVisual*NORENONENONEAppearancescalarVisual*NORMMILKYNORMLOdorscalarVisual*NORMMILKYNORMLCodorscalarVisual*NORMNORMLNORMLEmulsified WaterscalarVisual*>0.1▲ .2%▲ .5%SodiumppmASTM D5185(m)949064BoronppmASTM D5185(m)0.0<11<11MolybdenumppmASTM D5185(m)0.0243206ManganeseppmASTM D5185(m)138867515MagnesiumppmASTM D5185(m)1388674PhosphorusppmASTM D5185(m)780474667ZincppmASTM D5185(m)780474667SulfurppmASTM D5185(m)224023412571OxidationAbs./tmmASTM D714*>2520.513.3				>20	-		
SiltscalarVisual*NONENONENONEDebrisscalarVisual*NONENONENONESand/DirtscalarVisual*NONENONENONEAppearancescalarVisual*NORMLMILKYNORMLOdorscalarVisual*NORMLNORMLNORMLEmulsified WaterscalarVisual*>0.1▲ .2%▲ .5%SodiumppmASTMD5185(m)▲ .2%▲ .5%BoronppmASTMD5185(m)0.0<1<1BariumppmASTMD5185(m)0.0<14206MalganeseppmASTMD5185(m)0.0<142MagnesiumppmASTMD5185(m)138867515PhosphorusppmASTMD5185(m)720623674ZincppmASTMD5185(m)780474667SulfurppmASTMD5185(m)72423412571SulfurppmASTMD5185(m)224023412571	Sulfation	Abs/.1mm	ASTM D7415*	>30	0.9	6.5	
DebrisscalarVisual*NONENONENONESand/DirtscalarVisual*NORENONENONENONEAppearancescalarVisual*NORMLMILKYNORMLOdorscalarVisual*NORMLNORMLNORMLEmulsified WaterscalarVisual*NORMLNORMLNORMLSodiumppmASTM D5185(m)A1023BoronppmASTM D5185(m)9490644BariumppmASTM D5185(m)0.0<1<1MolybdenumppmASTM D5185(m)0.0243206ManganeseppmASTM D5185(m)138867515CalciumppmASTM D5185(m)720623674PhosphorusppmASTM D5185(m)780474667JincppmASTM D5185(m)72423412571OxidationAbs/.1mASTM D7414*>2520.513.3							
Sand/DirtscalarVisual*NONENONENONEAppearancescalarVisual*NORML▲ MILKYNORMLOdorscalarVisual*NORMLNORMLNORMLNORMLEmulsified WaterscalarVisual*>0.1▲ 2%▲ 5%SodiumppmASTM D5185(m)9490644BoronppmASTM D5185(m)0.0<1<1BariumppmASTM D5185(m)0.0<14206MolybdenumppmASTM D5185(m)0.0<243206ManganeseppmASTM D5185(m)1388677515CalciumppmASTM D5185(m)720623674PhosphorusppmASTM D5185(m)780474667ZincppmASTM D5185(m)72423412571OxidationAbs/1mASTM D7414*>2520.513.3			Visual*	NONE	NONE	NONE	
OdorscalarVisual*NORMLNORMLNORMLNORMLNORMLEmulsified WaterscalarVisual*>0.1▲ .2%▲ .5%SodiumppmASTM D5185(m)949064BoronppmASTM D5185(m)9.49064BariumppmASTM D5185(m)0.0<1<1MolybdenumppmASTM D5185(m)0.0243206ManganeseppmASTM D5185(m)138867515MagnesiumppmASTM D5185(m)1388673515PhosphorusppmASTM D5185(m)720623674ZincppmASTM D5185(m)780474667SulfurppmASTM D5185(m)224023412571OxidationAbs/.1mmASTM D7414*>2520.513.3	Sand/Dirt		Visual*	NONE	NONE		
OdorscalarVisual*NORMLNORMLNORMLNORMLEmulsified WaterscalarVisual*>0.1▲ .2%▲ .5%SodiumppmASTM D5185(m)949064BoronppmASTM D5185(m)0.0<1<1BariumppmASTM D5185(m)0.0<1<1MolybdenumppmASTM D5185(m)0.0243206ManganeseppmASTM D5185(m)138867515MagnesiumppmASTM D5185(m)1388673515PhosphorusppmASTM D5185(m)720623674ZincppmASTM D5185(m)780474667SulfurppmASTM D5185(m)224023412571OxidationAbs/.1mmASTM D7414*>2520.513.3	Appearance	scalar	Visual*	NORML	A MILKY	NORML	
Sodium  ppm  ASTM D5185(m)  10  23     Boron  ppm  ASTM D5185(m)  94  90  64     Barium  ppm  ASTM D5185(m)  0.0  <1  <1     Molybdenum  ppm  ASTM D5185(m)  0.0  243  206     Manganese  ppm  ASTM D5185(m)  0.0  243  206     Magnesium  ppm  ASTM D5185(m)  0.0  243  206     Calcium  ppm  ASTM D5185(m)  1388  67  515     Phosphorus  ppm  ASTM D5185(m)  820  603  730     Zinc  ppm  ASTM D5185(m)  720  623  674     Sulfur  ppm  ASTM D5185(m)  780  474  667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  AST		scalar	Visual*	NORML	NORML	NORML	
Boron  ppm  ASTM D5185(m)  94  90  64     Barium  ppm  ASTM D5185(m)  0.0  <1  <1     Molybdenum  ppm  ASTM D5185(m)  0.0  243  206     Manganese  ppm  ASTM D5185(m)  0.0  243  206     Magnesium  ppm  ASTM D5185(m)  1388  67  515     Calcium  ppm  ASTM D5185(m)  1388  673  730     Phosphorus  ppm  ASTM D5185(m)  720  623  674     Zinc  ppm  ASTM D5185(m)  780  474  6667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3	Emulsified Water	scalar	Visual*	>0.1	<b>.2%</b>	.5%	
Boron  ppm  ASTM D5185(m)  94  90  64     Barium  ppm  ASTM D5185(m)  0.0  <1  <1     Molybdenum  ppm  ASTM D5185(m)  0.0  243  206     Manganese  ppm  ASTM D5185(m)  0.0  243  206     Magnesium  ppm  ASTM D5185(m)  1388  67  515     Calcium  ppm  ASTM D5185(m)  1388  673  730     Phosphorus  ppm  ASTM D5185(m)  720  623  674     Zinc  ppm  ASTM D5185(m)  780  474  6667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3							
Barium  ppm  ASTM D5185(m)  0.0  <1							
Molybdenum  ppm  ASTM D5185(m)  0.0  243  206     Manganese  ppm  ASTM D5185(m)  <  <1  2     Magnesium  ppm  ASTM D5185(m)  1388  67  515     Calcium  ppm  ASTM D5185(m)  820  603  730     Phosphorus  ppm  ASTM D5185(m)  720  623  674     Zinc  ppm  ASTM D5185(m)  780  474  667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3		ppm					
Manganese  ppm  ASTM D5185(m)  <1							
Magnesium  ppm  ASTM D5185(m)  1388  67  515     Calcium  ppm  ASTM D5185(m)  820  603  730     Phosphorus  ppm  ASTM D5185(m)  720  623  674     Zinc  ppm  ASTM D5185(m)  780  474  667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3	•			0.0			
Calcium  ppm  ASTM D5185(m)  820  603  730     Phosphorus  ppm  ASTM D5185(m)  720  623  674     Zinc  ppm  ASTM D5185(m)  780  474  667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3	-						
Phosphorus  ppm  ASTM D5185(m)  720  623  674     Zinc  ppm  ASTM D5185(m)  780  474  667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3	-	ppm					
Zinc  ppm  ASTM D5185(m)  780  474  667     Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3							
Sulfur  ppm  ASTM D5185(m)  2240  2341  2571     Oxidation  Abs/.1mm  ASTM D7414*  >25  20.5  13.3		ppm	1 I I I I I I I I I I I I I I I I I I I				
Oxidation Abs/.1mm ASTM D7414* >25 20.5 13.3		ppm					
		ppm	ASTM D5185(m)				
Visc @ 100°C cSt ASTM D7279(m) 11.3 4.7 12.5							
	Visc @ 100°C	cSt	ASTM D7279(m)	11.3	4.7	12.5	



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 JAMES VENN CALA Sample No. : WC0931992 Received : 03 Jun 2024 129 ST.MARGARET`S RD. Lab Number : 02639391 Tested ANCASTER, ON : 06 Jun 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5788553 : 06 Jun 2024 - Kevin Marson CA L9G 2L1 Diagnosed Test Package : MOB 1 (Additional Tests: GLYCOL, KF, Visual) Contact: James Venn To discuss this sample report, contact Customer Service at 1-800-268-2131. vennjamesk@gmail.com T: (905)648-2945 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: