

## **OIL ANALYSIS REPORT**

Sample Rating Trend



P11 DECOILER Component **Hydraulic System** 

FUCHS RENOLIN AW ISO 32 (--- GAL)

### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using IND 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid. this testkit includes AN to determine the suitability of the oil for continued use.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the component(unconfirmed).

### Fluid Condition

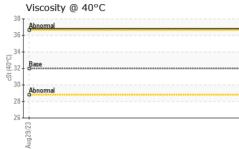
The condition of the oil is acceptable for the time in service (unconfirmed).

Sample Number         Client Info         AW0004010             Sample Date         Info         29 Aug 2023             Machine Age         hrs         Client Info         0             Sil Age         hrs         Client Info         0             Sil Age         hrs         Client Info         Not Changd             Sil Age         hrs         Client Info         Not Changd             WEAR METALS         method         imit/base         current         History1         history2           ron         ppm         ASTM 05180m         >20         3             NoteKel         ppm         ASTM 05180m         >20         0             Silver         ppm         ASTM 05180m         20         2             Silver         ppm         ASTM 05180m         20         0             Audininum         ppm         ASTM 05180m         20             Silveranduim         ppm         ASTM 05180m					Aug2023		
Sample Date         Client Info         29 Aug 2023             Adachine Age         hrs         Client Info         0             Dil Age         hrs         Client Info         0             Sample Status         Client Info         Not Changd             WEAR METALS         method         Imil/base         current         history1         History2           Ton         ppm         ASTM D5165(m)         >20         3             WEAR METALS         method         Imil/base         current         history1         History2           Ton         ppm         ASTM D5165(m)         >20         <1             Wear         ppm         ASTM D5165(m)         >20         0             Unminum         ppm         ASTM D5165(m)         >20         0             Lead         ppm         ASTM D5165(m)         >20         0             AstM D5165(m)         >20         0              AstM D5165(m)	SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Date         Client Info         29 Aug 2023             Adachine Age         hrs         Client Info         0             Dil Age         hrs         Client Info         0             Dil Changed         Client Info         Not Changd             WEAR METALS         method         Imit/base         current         history1         Fistory2           Formum         ppm         ASTM D585(m)         >20         0             Silver         ppm         ASTM D585(m)         >20         <1	Sample Number		Client Info		AW0004010		
Machine Age         hrs         Client Info         0             Di Age         hrs         Client Info         0             Sample Status         I         Imitbase         current         History1         History2           VEAR METALS         method         Imitbase         current             WEAR METALS         method         Imitbase         current             Wear         ppm         ASTM D5185(m)         >20         3             Situkei         ppm         ASTM D5185(m)         >20         1             Visituker         ppm         ASTM D5185(m)         >20         1             Situker         ppm         ASTM D5185(m)         >20         1             Situker         ppm         ASTM D5185(m)         >20         2             Situker         ppm         ASTM D5185(m)         >20         0             Situker         ppm         ASTM D5185(m)         20         0	Sample Date		Client Info		29 Aug 2023		
Dil Age         hrs         Client Info         0             Sample Status         Client Info         Not Changd             WEAR METALS         method         Imit/base         current         history1         history2           Year         ppm         ASTM D585(m)         >20         3             WeAR METALS         method         Imit/base         current         history1         history2           Yon         ppm         ASTM D585(m)         >20         <1	Machine Age	hrs	Client Info		-		
Dil Changed         Client Info         Not Changd             Sample Status         Imit Data         NORMAL             WEAR METALS         method         Imit/base         current         history1         history2           ron         ppm         ASTM D5186m         >20         3             Schornium         ppm         ASTM D5186m         >20         <1	v	hrs	Client Info		0		
Sample Status         Imit base         current         history1         history2           VEAR METALS         method         limit/base         current         history1         history2           ron         ppm         ASTM D5185(m)         >20         3             Shronium         ppm         ASTM D5185(m)         >20         1             tickel         ppm         ASTM D5185(m)         >20         0             ticked         ppm         ASTM D5185(m)         >20         0             timmony         ppm         ASTM D5185(m)         >20         0             timadatum         ppm         ASTM D5185(m)         0              timadatum         ppm         ASTM D5185(m)         0	-		Client Info		Not Changd		
ron         ppm         ASTM D5185(m)         >20         3             Chromium         ppm         ASTM D5185(m)         >20         0             Mackel         ppm         ASTM D5185(m)         >20         <1	Sample Status				-		
Derromium         ppm         ASTM D5185(m)         >20         0             dickel         ppm         ASTM D5185(m)         >20         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185(m)         >20         <1             Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         >20         <1	Iron	ppm	ASTM D5185(m)	>20	3		
Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         >20         <1	Chromium	ppm	ASTM D5185(m)	>20	0		
Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         >20         <1	Nickel	ppm	ASTM D5185(m)	>20	<1		
Silver         ppm         ASTM DS185(m)         0             Numinum         ppm         ASTM DS185(m)         >20         0             Sopper         ppm         ASTM DS185(m)         >20         0             Sopper         ppm         ASTM DS185(m)         >20         0             Antimony         ppm         ASTM DS185(m)         >20         0             Antimony         ppm         ASTM DS185(m)         0              Seryllium         ppm         ASTM DS185(m)         0              ADDITIVES         method         Imil/base         current         history1         history2           Barium         ppm         ASTM DS185(m)         <1	Titanium		ASTM D5185(m)		0		
Numinum         ppm         ASTM D5185(m)         >20         <1             ead         ppm         ASTM D5185(m)         >20         0             Dopper         ppm         ASTM D5185(m)         >20         0             Tin         ppm         ASTM D5185(m)         0              Anadium         ppm         ASTM D5185(m)         0              Aranadium         ppm         ASTM D5185(m)         0              Additium         ppm         ASTM D5185(m)         0              ADDITIVES         method         limit/base         current         history1         history2           Adaganese         ppm         ASTM D5185(m)         0             Adaganese         ppm         ASTM D5185(m)         1             Adaganese         ppm         ASTM D5185(m)         1313             Sulfur         ppm         ASTM D5185(m)         1846	Silver		. ,		0		
ead         ppm         ASTM D5185(m)         >20         0             Copper         ppm         ASTM D5185(m)         >20         2             Animony         ppm         ASTM D5185(m)         >20         0             Animony         ppm         ASTM D5185(m)         0              Animony         ppm         ASTM D5185(m)         0              Anadium         ppm         ASTM D5185(m)         0	Aluminum		ASTM D5185(m)	>20	<1		
Dopper         ppm         ASTM D5185(m)         >20         2             Tin         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              Aradium         ppm         ASTM D5185(m)         0              Beryllium         ppm         ASTM D5185(m)         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         0              Adagnese         ppm         ASTM D5185(m)         0              Adagnesium         ppm         ASTM D5185(m)         1              Adagnesium         ppm         ASTM D5185(m)         313              Adagnesium         ppm         ASTM D5185(m)         313              Suffur         ppm         ASTM D5185(m)	Lead						
Tin         ppm         ASTM D5185(m)         >20         0             Antimony         ppm         ASTM D5185(m)         0              Aranadium         ppm         ASTM D5185(m)         0              Beryllium         ppm         ASTM D5185(m)         0              ADDITIVES         method         limit/base         current         history1         history2           Barium         ppm         ASTM D5185(m)         <1							
Antimony         ppm         ASTM D5185(m)         0             Anadium         ppm         ASTM D5185(m)         0              Beryllium         ppm         ASTM D5185(m)         0              ADDITIVES         method         limit/base         current         history1         history1         history2           Boron         ppm         ASTM D5185(m)         <1	Tin		. ,		0		
Aranadium         ppm         ASTM D5185(m)         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         history1           ASTM D5185(m)         <1              Adapanese         ppm         ASTM D5185(m)         0             Agnesium         ppm         ASTM D5185(m)         0             Agnesium         ppm         ASTM D5185(m)         1             Collitur         ppm         ASTM D5185(m)         313             Sulfur         ppm         ASTM D5185(m)         <1             Solfur         ppm         ASTM D5185(m)         >15         <1             CONTAMINANTS         method         limit/base         current<					-		
Beryllium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185(m)         <1			· · ·		-		
Dadmium     ppm     ASTM D5185(m)     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185(m)     <1					-		
Boron         ppm         ASTM D5185(m)         <1             Barium         ppm         ASTM D5185(m)         0             Aolybdenum         ppm         ASTM D5185(m)         <1	Cadmium		( /				
Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         <1	ADDITIVES		method	limit/base	current	history1	history2
Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         <1	Boron	ppm	ASTM D5185(m)		<1		
MolybdenumppmASTM D5185(m)<1ManganeseppmASTM D5185(m)0MagnesiumppmASTM D5185(m)1CalciumppmASTM D5185(m)279ChosphorusppmASTM D5185(m)279ClincppmASTM D5185(m)313SulfurppmASTM D5185(m)1846SulfurppmASTM D5185(m)1846CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>15<1	Barium				0		
ManganeseppmASTM D5185(m)0AlagnesiumppmASTM D5185(m)1CalciumppmASTM D5185(m)279PhosphorusppmASTM D5185(m)279CincppmASTM D5185(m)313SulfurppmASTM D5185(m)1846SulfurppmASTM D5185(m)<11					-		
AggnesiumppmASTM D5185(m)1CalciumppmASTM D5185(m)45PhosphorusppmASTM D5185(m)279CincppmASTM D5185(m)313SulfurppmASTM D5185(m)1846LithiumppmASTM D5185(m)<1	-						
CalciumppmASTM D5185(m)45PhosphorusppmASTM D5185(m)279ZincppmASTM D5185(m)313SulfurppmASTM D5185(m)1846ithiumppmASTM D5185(m)<1	-						
PhosphorusppmASTM D5185(m)279ZincppmASTM D5185(m)313SulfurppmASTM D5185(m)1846ithiumppmASTM D5185(m)<1	-						
ZincppmASTM D5185(m)313SulfurppmASTM D5185(m)1846i.thiumppmASTM D5185(m)<1					-		
SulfurppmASTM D5185(m)1846ithiumppmASTM D5185(m)<1					-		
ASTM D5185(m)<1CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>15<1							
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>15<1			. ,				
Solicon       ppm       ASTM D5185(m)       >15       <1           Sodium       ppm       ASTM D5185(m)       <1			ASTIVI D3163(III)		<1		
SodiumppmASTM D5185(m)<1PotassiumppmASTM D5185(m)>20<1		;				history1	history2
PotassiumppmASTM D5185(m)>20<1VISUALmethodlimit/basecurrenthistory1history2White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONEPrecipitatescalarVisual*NONENONESiltscalarVisual*NONENONEOebrisscalarVisual*NONEVLITESand/DirtscalarVisual*NORMLNORMLAppearancescalarVisual*NORMLNORMLCodorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.05NEGFree WaterscalarVisual*NEG	Silicon	ppm		>15			
VISUALmethodlimit/basecurrenthistory1history2White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONEPrecipitatescalarVisual*NONENONESiltscalarVisual*NONENONEDebrisscalarVisual*NONEVLITESand/DirtscalarVisual*NORMLNOREAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.05NEGFree WaterscalarVisual*NEG	Sodium	ppm	ASTM D5185(m)				
White Metal       scalar       Visual*       NONE       NONE           Vellow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Oebris       scalar       Visual*       NONE       VLITE           Sand/Dirt       scalar       Visual*       NONE       NONE           Opearance       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       >0.05       NEG           Free Water       scalar       Visual*       NEG	Potassium	ppm	ASTM D5185(m)	>20	<1		
Vellow Metal       scalar       Visual*       NONE       NONE           Precipitate       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       VLITE           Sand/Dirt       scalar       Visual*       NONE       NONE           Appearance       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML           Emulsified Water       scalar       Visual*       >0.05       NEG           Free Water       scalar       Visual*       NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate     scalar     Visual*     NONE     NONE         Silt     scalar     Visual*     NONE     NONE         Debris     scalar     Visual*     NONE     VLITE         Sand/Dirt     scalar     Visual*     NONE     NONE         Appearance     scalar     Visual*     NORML     NORML         Odor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     >0.05     NEG        Free Water     scalar     Visual*     NEG	White Metal	scalar	Visual*	NONE	NONE		
Silt     scalar     Visual*     NONE     NONE         Debris     scalar     Visual*     NONE     VLITE         Sand/Dirt     scalar     Visual*     NONE     NONE         Appearance     scalar     Visual*     NORML     NORML         Odor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     >0.05     NEG         Free Water     scalar     Visual*     NEG	Yellow Metal	scalar	Visual*	NONE	NONE		
Debris         scalar         Visual*         NONE         VLITE             Sand/Dirt         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         >0.05         NEG             Free Water         scalar         Visual*         NEG	Precipitate	scalar	Visual*	NONE	NONE		
Sand/Dirt     scalar     Visual*     NONE     NONE         Appearance     scalar     Visual*     NORML     NORML         Odor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     >0.05     NEG         Free Water     scalar     Visual*     NEG	Silt	scalar	Visual*	NONE	NONE		
Appearance     scalar     Visual*     NORML     NORML         Ddor     scalar     Visual*     NORML     NORML         Emulsified Water     scalar     Visual*     >0.05     NEG         Free Water     scalar     Visual*     Image: Scalar     Visual*     Image: Scalar     Imag	Debris	scalar	Visual*	NONE	VLITE		
Norm         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         >0.05         NEG             Free Water         scalar         Visual*         Image: NEG	Sand/Dirt	scalar	Visual*	NONE	NONE		
Emulsified Water     scalar     Visual*     >0.05     NEG        Free Water     scalar     Visual*     NEG	Appearance	scalar	Visual*	NORML	NORML		
Free Water scalar Visual* NEG	Odor	scalar	Visual*	NORML	NORML		
	Emulsified Water	scalar	Visual*	>0.05	NEG		
	Free Water	scalar	Visual*		NEG		
	42:13) Rev: 1					ion: LYNN RAS	PALL - ALFVA

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# **OIL ANALYSIS REPORT**



	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D7279(m)	32	36.8		
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
	Color					no image	no image
Aug29/23	Bottom					no image	no image
	GRAPHS						
	Ferrous Alloys						
	9 iron 8 chromium 7 d 6 5						
	3 2 1 0 2005 2005 2005			Aug29/23			
	Non-ferrous Me	tals		Aug			
	6 5 4 3 2						
	Viscosity @ 40°	с		Aug29/23			
1	38 37 36 35 34 2						
	33         Base           31						
Laboratory	27 EZG220n WoarChook C9	1175 Analah	v Line Dur	Hand Aug 29/23	71 540		
Laboratory Sample No. Lab Number Unique Number Test Package	: WearCheck - C8- : AW0004010 : 02580035 : 5633095 : IND 1 contact Customer Se	Received Diagnose Diagnosti	:01 \$ d :01 \$ cian :Kev	Sep 2023 Sep 2023 in Marson	_/L 3HY M	N	A PARK DRIVE AUGHAN, ON CA L4L 9C7 YNN RASPALL
(*)						-	(410)740 0014

To discuss this sample report, contact Customer Service at 1-800-268-2131. 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.

T: (416)749-0314 F: (416)264-1828

CALA

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