

**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

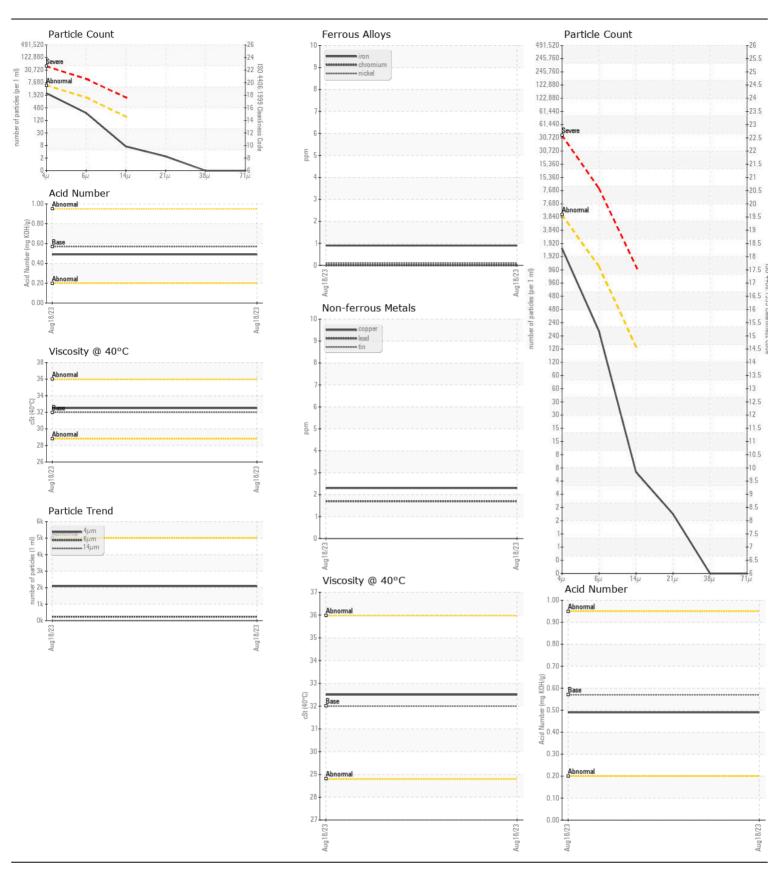
[6132256]

5005-PR05-TAB26

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

Test   U.O.M   Mehmod   Sample   Courtent   Courtent									
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AWH/PDALLIC OIL ISI 03.2. Please confirm.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2	
Sample Data   Clinic   No.	Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC)	Sample Number		Client Info		CB0031539			
WEAR   Note:   Please provide information regarding reservoir capacity, filter type and micron rating with next sample.   Oil Age   hrs   Client Info   Oil Changed   Cl		Sample Date		Client Info		18 Aug 2023			
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.    Filter Age		Machine Age	hrs	Client Info		0			
View   Particles   Particles   Visual   Visual		Oil Age	hrs	Client Info		0			
Oil Changed   Client Info   N/A   NORMAL	1	Filter Age	hrs	Client Info		0			
Nome		Oil Changed		Client Info		N/A			
Iron		Filter Changed		Client Info		N/A			
All component wear rates are normal.    Chromium   ppm   ASTIN ID5185/m    20		Sample Status				NORMAL			
Chromium   ppm   SIND DBS   20   0   0   0   0   0   0   0   0	WEAD			10TH DE (05)					
Nicke	WEAR			. ,					
Note	All component wear rates are normal			. ,					
Silver   ppm   ASTIL/DSISSim   >20   <1	All component wear rates are normal.			. ,	>20				
Aluminum   ppm   ASTM D5859m  > 20   <1									
Lead   ppm   ASTN D8185m    >20   2				. ,					
Copper				. ,					
Tin				. ,					
Vanadium   Vanadium			ppm	. ,					
White Metal Yellow Metal Yolou NoNE NONE NONE NONE NONE NONE NONE NONE				. ,	>20				
Vellow Metal   Scalar   Visual*   NONE   N				\ /		-			
CONTAMINATION   The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.   Potassium   ppm   ASTM D588(m)   >20   <1									
Potassium   ppm   ASTM D5185(m)   20   <1		Yellow Metal	scalar	Visual*	NONE	NONE			
Potassium   ppm   ASTM D5185(m)   20   <1	CONTAMINATION	Silioon	nnm	AQTM D5195(m)	<b>.</b> 15	4			
Water   WC Method   So.05   NEG   Cleanliness is acceptable for your target ISO 4406   Cleanliness code. The system and fluid cleanliness is acceptable.   Water   ASTM D7647   5000   2085   Comparison   So.05   NEG   Comparison   So.0	The system cleanliness is acceptable for your target ISO 4406			. ,					
Particles > 4µm   ASTM D7647   >5000   2085         Particles > 6µm   ASTM D7647   >1300   239         Particles > 21µm   ASTM D7647   >160   6         Particles > 21µm   ASTM D7647   >40   2         Particles > 38µm   ASTM D7647   >10   0         Particles > 38µm   ASTM D7647   >10   0         Particles > 71µm   ASTM D7647   >10   0         Particles > 71µm   ASTM D7647   >10   0         Oil Cleanliness   ISO 4406 (c)   sl917/14   18715/10         Silt   Scalar   Visual*   NONE   NONE   NONE         Sand/Dirt   Scalar   Visual*   NONE   NONE   NONE         Sand/Dirt   Scalar   Visual*   NORM   NOR			ррпп	( )					
Particles >6   m									
Particles >14   m									
Particles >21 \( \mu\)									
Particles >38µm									
Particles > 71 \text{\text{µm}}									
Oil Cleanliness   Scalar   Scalar   Visual*   NONE   NONE   NONE   Silt   Scalar   Visual*   NONE   NONE   NONE   Scalar   Visual*   NONE		•							
Silt   Scalar   Visual*   NONE   VLITE         Debris   Scalar   Visual*   NONE   VLITE         Sand/Dirt   Scalar   Visual*   NONE   NONE   NONE   NONE     Appearance   Scalar   Visual*   NORML						_			
Debris   Scalar   Visual*   NONE   NONE   NONE   Sand/Dirt   Scalar   Visual*   NONE   NORML   NOR			scalar	\ /					
Sand/Dirt   scalar   Visual*   NONE   NONE   NONE   Appearance   scalar   Visual*   NORML									
Appearance   Scalar   Visual*   NORML   NORM									
Odor   Emulsified Water   Scalar   Visual*   NORML									
Emulsified Water   scalar   Visual*   >0.05   NEG									
Sodium   ppm   ASTM D5185(m)   5   <1           Barium   ppm   ASTM D5185(m)   5   0           Molybdenum   ppm   ASTM D5185(m)   5   0           Manganese   ppm   ASTM D5185(m)   5   0           Manganese   ppm   ASTM D5185(m)   25   <1           Calcium   ppm   ASTM D5185(m)   200   50           Phosphorus   ppm   ASTM D5185(m)   300   416           Zinc   ppm   ASTM D5185(m)   2500   1667         Sulfur   ppm   ASTM D5185(m)   2500   1667         Acid Number (AN)   mg KOHg   ASTM D974*   0.57   0.49									
Boron   ppm   ASTM D5185(m)   5   <1         Barium   ppm   ASTM D5185(m)   5   0         Molybdenum   ppm   ASTM D5185(m)   5   0         Magnesium   ppm   ASTM D5185(m)   5   0         Magnesium   ppm   ASTM D5185(m)   0         Magnesium   ppm   ASTM D5185(m)   25   <1         Calcium   ppm   ASTM D5185(m)   200   50         Phosphorus   ppm   ASTM D5185(m)   300   416         Zinc   ppm   ASTM D5185(m)   370   340         Sulfur   ppm   ASTM D5185(m)   2500   1667         Acid Number (AN)   mg KOH/g   ASTM D974*   0.57   0.49									
Boron   ppm   ASTM D5185(m)   5   <1         Barium   ppm   ASTM D5185(m)   5   0         Molybdenum   ppm   ASTM D5185(m)   5   0         Magnesium   ppm   ASTM D5185(m)   5   0         Magnesium   ppm   ASTM D5185(m)   0         Magnesium   ppm   ASTM D5185(m)   25   <1         Calcium   ppm   ASTM D5185(m)   200   50         Phosphorus   ppm   ASTM D5185(m)   300   416         Zinc   ppm   ASTM D5185(m)   370   340         Sulfur   ppm   ASTM D5185(m)   2500   1667         Acid Number (AN)   mg KOH/g   ASTM D974*   0.57   0.49	FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		0			
Suitable for further service.   Molybdenum   ppm   ASTM D5185(m)   5   0		Boron	ppm	ASTM D5185(m)	5	<1			
Molybdenum         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         25         <1	•	Barium	ppm	ASTM D5185(m)	5	0			
Magnesium         ppm         ASTM D5185(m)         25         <1		Molybdenum	ppm	ASTM D5185(m)	5	0			
Calcium         ppm         ASTM D5185(m)         200         50             Phosphorus         ppm         ASTM D5185(m)         300         416             Zinc         ppm         ASTM D5185(m)         370         340             Sulfur         ppm         ASTM D5185(m)         2500         1667             Acid Number (AN)         mg KOH/g         ASTM D974*         0.57         0.49		Manganese	ppm	ASTM D5185(m)		0			
Phosphorus         ppm         ASTM D5185(m)         300         416             Zinc         ppm         ASTM D5185(m)         370         340             Sulfur         ppm         ASTM D5185(m)         2500         1667             Acid Number (AN)         mg KOH/g         ASTM D974*         0.57         0.49		Magnesium	ppm	1 /	25	<1			
Zinc         ppm         ASTM D5185(m)         370         340             Sulfur         ppm         ASTM D5185(m)         2500         1667             Acid Number (AN)         mg KOH/g         ASTM D974*         0.57         0.49		Calcium	ppm	ASTM D5185(m)	200	50			
Sulfur         ppm         ASTM D5185(m)         2500         1667             Acid Number (AN)         mg KOH/g         ASTM D974*         0.57         0.49		Phosphorus	ppm	ASTM D5185(m)	300	416			
Acid Number (AN)         mg KOH/g         ASTM D974*         0.57         0.49		Zinc	ppm	1 /		340			
( ,		Sulfur	ppm	ASTM D5185(m)	2500	1667			
Visc @ 40°C		Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.49			
		Visc @ 40°C	cSt	ASTM D7279(m)	32	32.5			





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : CB0031539 Lab Number : 02577518 Unique Number : 5630578

Received **Tested** Diagnosed

Test Package : IND 2 (Additional Tests: TAN Man)

: 22 Aug 2023

: 23 Aug 2023 : 23 Aug 2023 - Wes Davis

Contact: Emmanuel Okelue

eokelue@apotex.com

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.

F: Validity of results and interpretation are based on the sample and information as supplied. Contact/Location: Emmanuel Okelue - APOETO

T:

Synovos/Apotex

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Etobicoke, ON

**CA M9W 6Y3**