

Area WCLSNC

## **OIL ANALYSIS REPORT**

## ISO

history2

history1

current

limit/base

	C230801HY monent vdraulic System MODERE HY-GARD HYD/TRANS ( GAL)						
	DIAGNOSIS	SAMPLE INFORM	IATION	method			
co m W	A Recommendation	Sample Number		Client Info			
	We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Date		Client Info			
		Machine Age	hrs	Client Info			
		Oil Age	hrs	Client Info			
	Wear	Oil Changed		Client Info			
	All component wear rates are normal.	Sample Status					
	Contamination here is a high amount of particulates present in	WEAR METALS		method			
	the oil.	PQ		ASTM D8184			
-	Fluid Condition The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Iron	ppm	ASTM D5185m			
		Chromium	ppm	ASTM D5185m			
		Nickel	ppm	ASTM D5185m			
		Titanium	ppm	ASTM D5185m			
		Silver	ppm	ASTM D5185m			
		Aluminum	ppm	ASTM D5185m			
		Lead	ppm	ASTM D5185m			

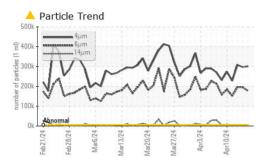
	methou	initia base	Guirein	Thistory	Thistory 2
	Client Info		WC0929400	WC0929399	WC0929396
	Client Info		16 Apr 2024	15 Apr 2024	12 Apr 2024
hrs	Client Info		0	0	0
hrs	Client Info		0	0	0
	Client Info		N/A	N/A	N/A
			ABNORMAL	ABNORMAL	ABNORMAL
	un ette e el	line it /le e e e		la la ta mut	biete w O
	method	innit/base	current		history2
	ASTM D8184	>47	43		56
ppm	ASTM D5185m	>78	69	76	73
ppm	ASTM D5185m	>2	<1	<1	2
ppm	ASTM D5185m	>3	2	<1	3
ppm	ASTM D5185m	>2	<1	0	<1
ppm	ASTM D5185m	>2	0	0	<1
ppm	ASTM D5185m	>5	3	3	3
ppm	ASTM D5185m	>11	9	8	10
ppm	ASTM D5185m	>84	73	70	84
ppm	ASTM D5185m	>4	3	3	4
ppm	ASTM D5185m		0	0	<1
ppm	ASTM D5185m		0	0	1
	method	limit/base	current	history1	history2
					106
					<1
		0	-		1
					22
					20
					3463
					1153
		1640			1312
ppm	ASTM D5185m		3568	3574	3359
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>11	9	9	10
ppm	ASTM D5185m	>23	19	17	19
ppm	ASTM D5185m	>20	2	<1	2
%	ASTM D6304	>0.1669	0.050	0.062	0.041
ppm			506	626	419
ESS	method	limit/base	current	historv1	history2
					▲ 308217
					▲ 196882
					▲ 6491
					▲ 382
					4
					0
					▲ 25/25/20
	ISO 4406 (a)	<10/17/1/	A 25/25/10	25/95/90	
	ISO 4406 (c)	>19/17/14	A 25/25/19	▲ 25/25/20	23/23/20
	ISO 4406 (c) method	>19/17/14 limit/base		history1	history2
	hrs	Client Info Client Info hrs Client Info Client Info ASTM D5185m ppm ASTM D5185m pp	Client Info           Client Info           hrs         Client Info           hrs         Client Info           Client Info         Imit/base           ASTM D8184         >47           ppm         ASTM D5185m         >78           ppm         ASTM D5185m         >2           ppm         ASTM D5185m         >4           ppm         ASTM D5185m         >4           ppm         ASTM D5185m         >4           ppm         ASTM D5185m         0           ppm         ASTM D5185m         0           ppm         ASTM D5185m         145           ppm         ASTM D5185m         145           ppm         ASTM D5185m         1290           ppm         ASTM D5185m         1290           ppm         ASTM D5185m	Client InfoWC0929400Client Info16 Apr 2024hrsClient Info0hrsClient Info0Client InfoN/AClient InfoN/AClient InfoMabNORMALMather Mather Ma	Client InfoWC0929400WC0929309Client Info00hrsClient Info00hrsClient InfoN/AN/AClient InfoN/AABNORMALABNORMALASTM D8184>474356ppmASTM D5185m>7869ppmASTM D5185m>22<1ppmASTM D5185m>22<1ppmASTM D5185m>2<1ppmASTM D5185m>119ppmASTM D5185m<00ppmASTM D5185m00ppmASTM D5185m00ppmASTM D5185m14530ppmASTM D5185m12901237ppmASTM D5185m12901237ppmASTM D5185m12901237ppmASTM D5185m12901237ppmASTM D5185m12901237ppmASTM D5185m2202ppmASTM D5185m2202 <trt< th=""></trt<>

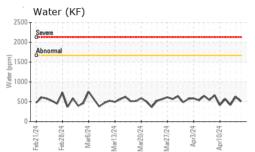
Report Id: WEACARQA [WUSCAR] 06151073 (Generated: 04/23/2024 15:28:08) Rev: 1

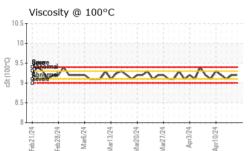
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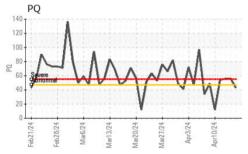


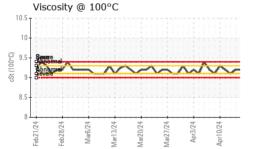
## **OIL ANALYSIS REPORT**







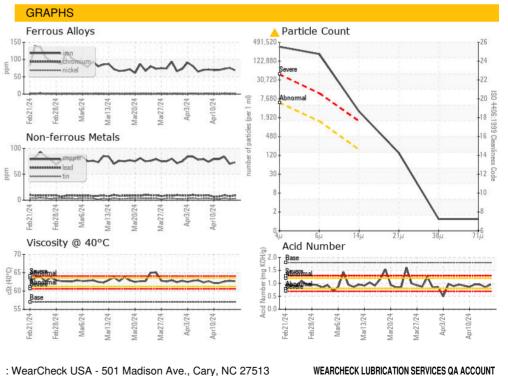




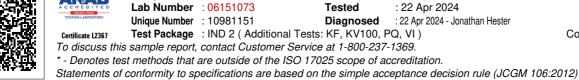
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	MODER	MODER
Debris	scalar	*Visual	NONE	MODER	HEAVY	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1669	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	62.7	62.8	62.6
Visc @ 100°C	cSt	ASTM D445	9.4	9.2	9.2	9.1
Viscosity Index (VI)	Scale	ASTM D2270	147	124	124	122
SAMPLE IMAGES		method	limit/base	current	history1	history2





: 16 Apr 2024



Received

: WC0929400

Color

Bottom

501 Madison Ave Cary, NC US 27513 Contact: WCLS CARY NC

> T: (919)379-4102 F: (919)379-4050

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Laboratory

Sample No.

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