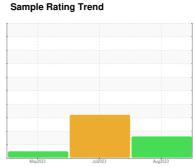


# **OIL ANALYSIS REPORT**



**Action Newark CATERPILLAR 315C 5579 (S/N CCJC01085)** 

**Swing Drive** NOT GIVEN (--- GAL)





### **DIAGNOSIS**

#### Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate concentration of water present in the oil.

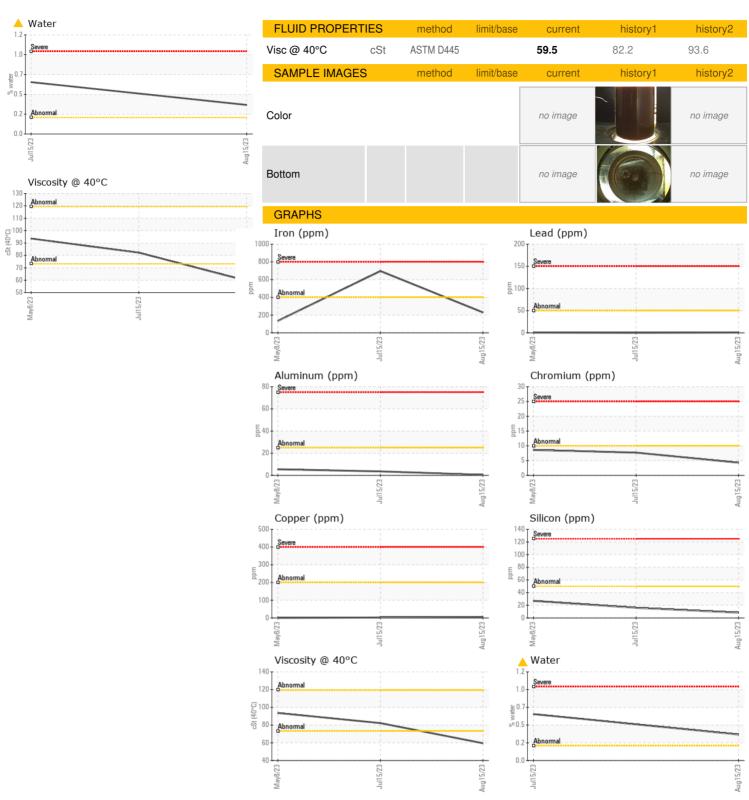
#### **Fluid Condition**

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

		May2023 Jul2023 Aug2023				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0774704	WC0774815	WC0745264
Sample Date		Client Info		15 Aug 2023	15 Jul 2023	08 May 2023
Machine Age	hrs	Client Info		19169	19147	18894
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>400	230	<b>△</b> 697	135
Chromium	ppm	ASTM D5185m	>10	4	8	9
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	4	6
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>200	6	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	3	7
Manganese	ppm	ASTM D5185m		2	5	2
Magnesium	ppm	ASTM D5185m		10	7	46
Calcium	ppm	ASTM D5185m		208	224	2168
Phosphorus	ppm	ASTM D5185m		494	409	840
Zinc	ppm	ASTM D5185m		571	306	1067
Sulfur	ppm	ASTM D5185m		10363	14526	8047
CONTAMINANTS		method	limit/base	current		
					history1	history2
Silicon	ppm	ASTM D5185m	>50	8	16	27
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304	>0.2	<u>△</u> 0.352	△ 0.628	
ppm Water	ppm	ASTM D6304	>2000	▲ 3520	<u>▲</u> 6280	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	▲ HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	<b>△</b> 0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory

Sample No. Lab Number Unique Number

: 05931057 : 10616328

: WC0774704

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Diagnosed

: 22 Aug 2023 : 24 Aug 2023 Diagnostician : Jonathan Hester

Test Package : MOB 1 ( Additional Tests: KF )

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **EVERGREEN RECYCLING SOLUTIONS** 

110 EVERGREEN AVE NEWARK, NJ US 07114

Contact: OPERATIONS OPERATIONS@EVERGREENRECYCLING.COM

T:

F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)