

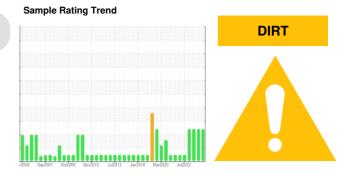
# **OIL ANALYSIS REPORT**



Machine Id **CATERPILLAR 326 F LR 8342 (S/N WGL00821)** 

Hydraulic System

PETRO CANADA DURATRAN XL SYN BLEND (--- GAL)



## **DIAGNOSIS**

### Recommendation

We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The amount and size of particulates present in the system are acceptable.

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0913272	WC0831256	WC0790924
Sample Date		Client Info		28 May 2024	24 Jul 2023	08 May 2023
Machine Age	hrs	Client Info		9003	8492	7865
Oil Age	hrs	Client Info		9003	8492	7865
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	12	11	15
Chromium	ppm	ASTM D5185m	>10	1	1	2
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<b>1</b> 0	<b>1</b> 3
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	6	7	7
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	• • • • • • • • • • • • • • • • • • • •	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	112	76	108	134
Barium	ppm	ASTM D5185m	1	0	1	0
Molybdenum	ppm	ASTM D5185m	1	1	2	1
Manganese	ppm	ASTM D5185m	1	0	0	<1
Magnesium	ppm	ASTM D5185m	10	25	25	30
Calcium	ppm	ASTM D5185m	3500	2591	3035	3730
Phosphorus	ppm	ASTM D5185m	1200	1004	1044	1254
Zinc	ppm	ASTM D5185m	1400	1190	1287	1582
Sulfur	ppm	ASTM D5185m	2370	3350	3011	3822
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<u>^</u> 29	<u>4</u> 24	<b>△</b> 32
Sodium	ppm	ASTM D5185m		7	3	11
Potassium	ppm	ASTM D5185m		2	3	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2617	1093	1059
Particles >6µm		ASTM D7647	>1300	236	138	136
Particles >14µm		ASTM D7647	>160	22	15	13
Particles >21µm		ASTM D7647	>40	5	5	4
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	19/15/12	17/14/11	17/14/11
		( - )				
FLUID DEGRADA	INOIT	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 3.0

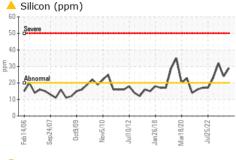
1.05

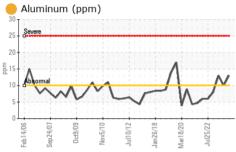
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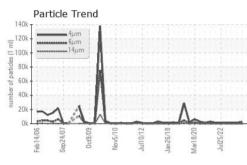
Contact/Location: MIKE WYATT - TRANEW

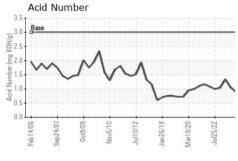


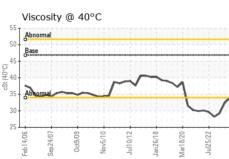
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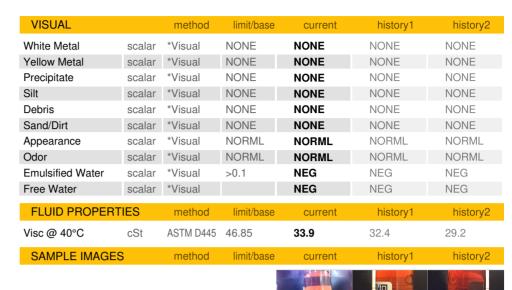


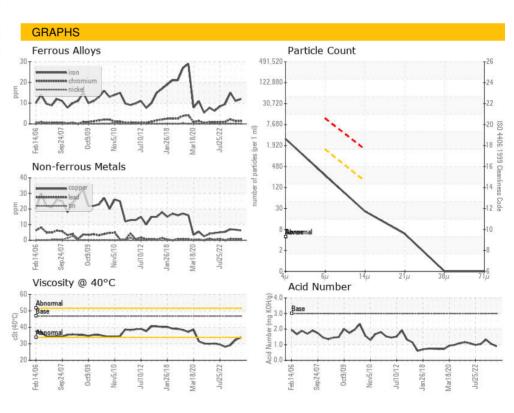
















Certificate 12367

Laboratory Sample No.

: WC0913272 Lab Number : 06196612 Unique Number : 11058735 Test Package : CONST

Color

**Bottom** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024

**Tested** : 03 Jun 2024 Diagnosed : 03 Jun 2024 - Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (252)633-1399 F: (252)638-4871

Report Id: TRANEW [WUSCAR] 06196612 (Generated: 06/04/2024 07:38:00) Rev: 1

Contact/Location: MIKE WYATT - TRANEW

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PO DRAWER 1578

Contact: MIKE WYATT

NEW BERN, NC

US 28563