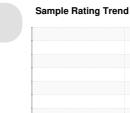


# **PROBLEM SUMMARY**



## **OFF SPEC**



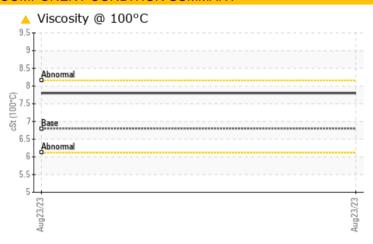


CATERPILLAR 30-341 (S/N CAT0349FHBZ220803)

New (Unused) Oil

PETRO CANADA ENVIRON AW 46 (20 LTR)

## **COMPONENT CONDITION SUMMARY**



### RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

PROBLEMATIC TEST RESULTS												
Sample Status				ABNORMAL								
Visc @ 100°C	cSt	ASTM D7279(m)	6.8	<b>A</b> 7.8								
Viscosity Index (VI)	Scale	ASTM D2270*	104	<b>150</b>								

Customer Id: LESNEW Sample No.: PC0052382 Lab Number: 02579103 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

# RECOMMENDED ACTIONS

There are no recommended actions for this sample.

## HISTORICAL DIAGNOSIS



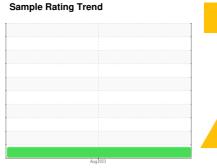
# **OIL ANALYSIS REPORT**



CATERPILLAR 30-341 (S/N CAT0349FHBZ220803)

New (Unused) Oil

PETRO CANADA ENVIRON AW 46 (20 LTR)





## **DIAGNOSIS**

### Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

### Wear

{not applicable}

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the new (unused) oil.

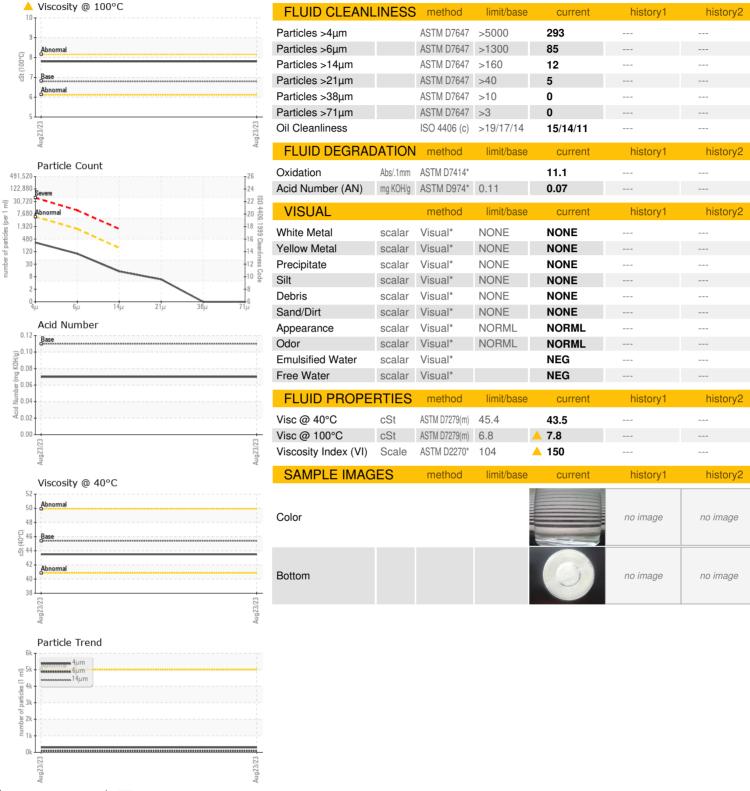
### Fluid Condition

The oil viscosity is higher than typical. The AN level is acceptable for this fluid. The condition of the oil is suitable for service.

RON AW 46 (20	0 LTR)			Aug2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0052382		
Sample Date		Client Info		23 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>5	0		
Chromium	ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)	>5	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>5	0		
Aluminum	ppm	ASTM D5185(m)	>5	0		
Lead	ppm	ASTM D5185(m)	>5	0		
Copper	ppm	ASTM D5185(m)	>5	0		
Tin	ppm	ASTM D5185(m)	>5	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	0		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	0	<1		
Phosphorus	ppm	ASTM D5185(m)	650	636		
Zinc	ppm	ASTM D5185(m)	0	2		
Sulfur	ppm	ASTM D5185(m)	1280	1326		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAL	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*		2.1		
Sulfation	Abs/.1mm	ASTM D7415*		20.1		



# OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: PC0052382 : 02579103

: 5632163

Received Diagnosed Diagnostician : Kevin Marson

Test Package : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI )

: 29 Aug 2023 : 05 Sep 2023

LES ENTREPRISES PEC 152 CHEMIN DE SAINT-EDGAR NEW RICHMOND, QC

**CA G0C 2B0** Contact: Service Manager info@lepec.ca

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: (418)534-3777

F: