

WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL



Machine Id CATERPILLAR 416 135

Transmission

PETRO CANADA 30W (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0917190	WC0822330	
Sample Date		Client Info		05 Jun 2024	12 Jun 2023	
Machine Age	hrs	Client Info		18868	18545	
Oil Age	hrs	Client Info		1500	564	
Filter Age	hrs	Client Info		500	564	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	SEVERE	
Iron	ppm	ASTM D5185m	>200	65	89	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m		<1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>50	3	3	
Lead	ppm	ASTM D5185m	>50	<1	<1	
Copper	ppm	ASTM D5185m	>200	<u></u> 4331	▲ 563	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>50	9	12	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water		WC Method	>0.1	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	▲ MODER	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Annogrance	scalar	*Visual	NORML	NORML	NORML	
Appearance						
Odor	scalar	*Visual	NORML	NORML	NORML	
	scalar scalar	*Visual *Visual	NORML >0.1	NORML NEG	NORML NEG	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm Water Silicon ppm Potassium ppm Water Silt scalar Debris scalar	Sample Number Sample Date Client Info Machine Age Oil Age hrs Client Info Client Info Oil Age hrs Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Yellow Metal Scalar Silicon ppm ASTM D5185m Visual Yellow Metal Scalar Visual VC Method Silt Scalar Visual VC Method Silt Scalar Visual	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >200 Chromium ppm ASTM D5185m Titanium ppm ASTM D5185m Silver Aluminum ppm ASTM D5185m ASTM D5185m >50 Copper ppm ASTM D5185m >200 Tin ppm ASTM D5185m >200 Tin ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >50 Potassium ppm ASTM D5185m >50 Potassium ppm ASTM D5185m >20 Water WC Method >0.1 Silt scalar *Visual NONE	Sample NumberClient InfoWC0917190Sample DateClient Info05 Jun 2024Machine AgehrsClient Info18868Oil AgehrsClient Info1500Filter AgehrsClient Info500Oil ChangedClient InfoNot ChangedFilter ChangedClient InfoChangedSample StatusASTM D5185m>20065ChromiumppmASTM D5185m>10<1	Sample Number Client Info WC0917190 WC0822330 Sample Date Client Info 05 Jun 2024 12 Jun 2023 Machine Age hrs Client Info 18868 18545 Oil Age hrs Client Info 500 564 Filter Age hrs Client Info Not Changed Changed Oil Changed Client Info Not Changed Changed Filter Changed Client Info Changed Changed Sample Status ABNORMAL SEVERE Iron ppm ASTM D5185m >200 65 89 Chromium ppm ASTM D5185m >10 <1

Boron

Barium

Molybdenum

Manganese

Magnesium

Phosphorus

Visc @ 40°C

Calcium

Zinc

Sulfur

ASTM D5185m

ASTM D445

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

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

11

0

16

<1

211

3199

1005

1179

3807

80.7

7

0

15

<1

228

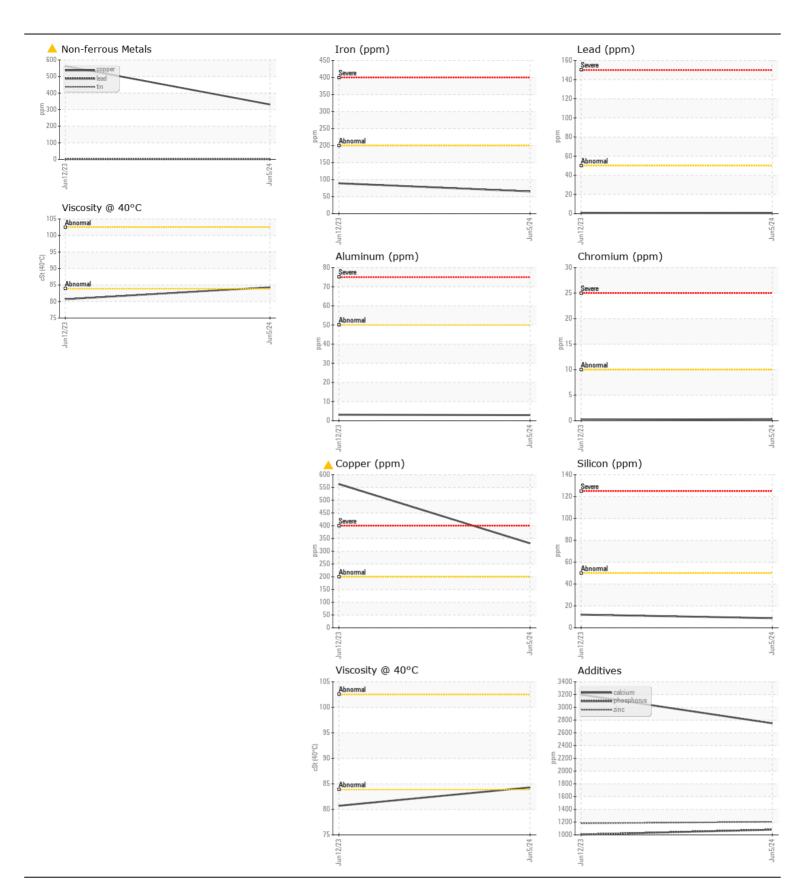
2749

1081

1204

4613

84.3





Certificate L2367

Laboratory Sample No.

: WC0917190 Lab Number : 06222678 Unique Number : 11100875 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Jun 2024 **Tested** : 28 Jun 2024

: 29 Jun 2024 - Don Baldridge Diagnosed

C.L. BENTON & SONS INC 706 38TH AVE N MYRTLE BEACH, SC US 29577

Contact: JAMIE HUCKS shop@clbenton.com

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

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