

# **PROBLEM SUMMARY**

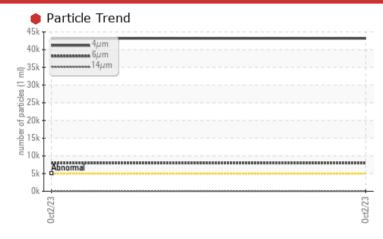
# [1111169] **DUMPER #7**

Component **Hydraulic System** 

PETRO CANADA PURITY FG AW HYDRAULIC 32 (3 LTR)

# Sample Rating Trend

## **COMPONENT CONDITION SUMMARY**



## **RECOMMENDATION**

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Please specify the component make and model with your next sample.

PROBLEMATIC TEST RESULTS									
Sample Status			SEVERE						
Particles >4µm	ASTM D7647	>5000	<b>43149</b>						
Particles >6µm	ASTM D7647	>1300	<b>7938</b>						
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>23/20/13</b>						

Customer Id: GRA685CAM **Sample No.:** WC0850459 Lab Number: 02586777 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							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			
Resample			?	Resample in 30-45 days to monitor this situation.			
Information Required			?	Please specify the component make and model with your next sample.			
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.			
Check Seals			?	Check seals and/or filters for points of contaminant entry.			

# HISTORICAL DIAGNOSIS

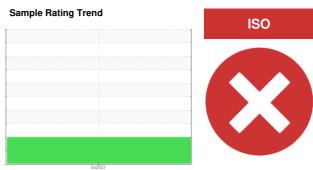


# **OIL ANALYSIS REPORT**

# Area [1111169] **DUMPER #7**

**Hydraulic System** 

PETRO CANADA PURITY FG AW HYDRAU



## DIAGNOSIS

#### Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

LIC 32 (3 LTR)				Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0850459		
Sample Date		Client Info		02 Oct 2023		
Machine Age	mths	Client Info		0		
Oil Age	mths	Client Info		3		
Oil Changed		Client Info		N/A		
Sample Status		CHOIL HIIO		SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	1		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>10	0		
Lead		\ /	>10	0		
	ppm	ASTM D5185(m)		۰ <1		
Copper	ppm	ASTM D5185(m)				
Tin	ppm	ASTM D5185(m)	>10	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)		<1		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		<1		
Phosphorus	ppm	ASTM D5185(m)		458		
Zinc	ppm	ASTM D5185(m)		3		
Sulfur	ppm	ASTM D5185(m)		430		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	4		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	43149		
Particles >6µm		ASTM D7647	>1300	<b>7938</b>		
Particles >14μm		ASTM D7647	>160	45		
Particles >21µm		ASTM D7647	>40	4		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/20/13		
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
A siel Niversis sur (ANI)		4 OTM DOZ 4*	0.00	0.04		

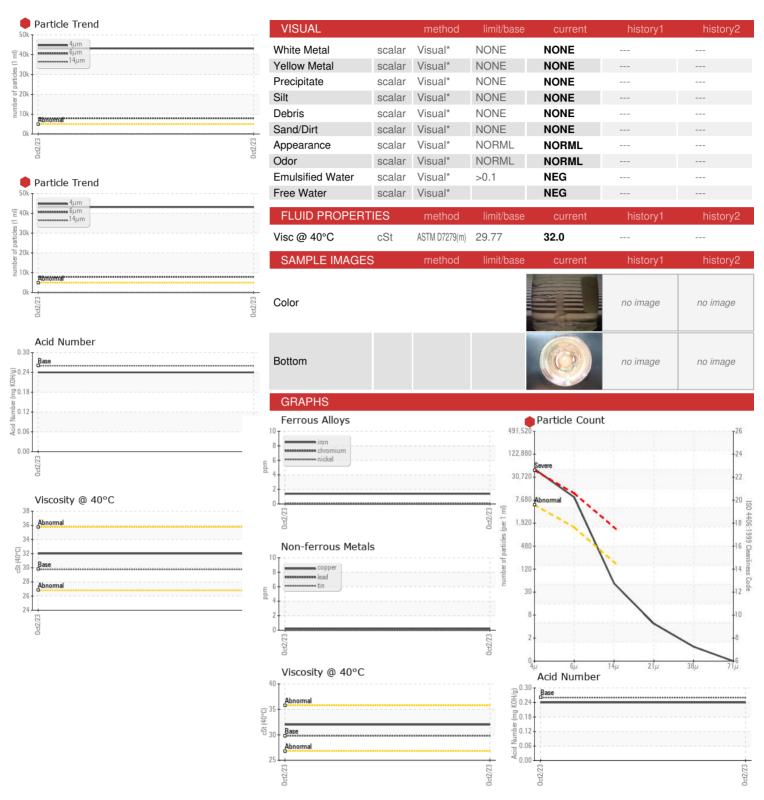
Acid Number (AN)

mg KOH/g ASTM D974\* 0.26

Contact/Location: Ryan Shea - GRA685CAM



# 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 : WC0850459

+02586777: 5655843

Received Diagnosed

: 04 Oct 2023 : 05 Oct 2023 : Kevin Marson Diagnostician

Test Package : IND 2

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.

**GRAND RIVER FOODS** 190 VONDRAU DRIVE

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