

# **OIL ANALYSIS REPORT**

# Area [133250] FPEC BLEND 3-2

Component Gearbox

PETRO CANADA 220 (3 LTR)

# Sample Rating Trend



DIAGNOSIS	SAMPLE INFORMAT	TION	method		history2
Recommendation	Sample Number	(	Client Info	WC0869282	 
Resample at the next service interval to monitor.  Please specify the component make and model	Sample Date	(	Client Info	04 Jan 2024	 
	Machine Age hr	rs (	Client Info	0	 
vith your next sample. Please specify the brand,	Oil Age hr	rs (	Client Info	0	 
ype, and viscosity of the oil on your next sample.	Oil Changed	(	Client Info	N/A	 
Vear	Sample Status			NORMAL	 

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>200	8		
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)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>50	<1		
Copper	ppm	ASTM D5185(m)	>200	<1		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	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)		8		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		<1		
Calcium	ppm	ASTM D5185(m)		1		
Phosphorus	ppm	ASTM D5185(m)		304		
Zinc	ppm	ASTM D5185(m)		8		
Sulfur	ppm	ASTM D5185(m)		14890		
Lithium	ppm	ASTM D5185(m)		2		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<1		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.2	0.014		
ppm Water	ppm	ASTM D6304*	>2000	144		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.67

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All component wear rates are normal.

## Contamination

The water content is negligible. There is no indication of any contamination in the oil.

## **Fluid Condition**

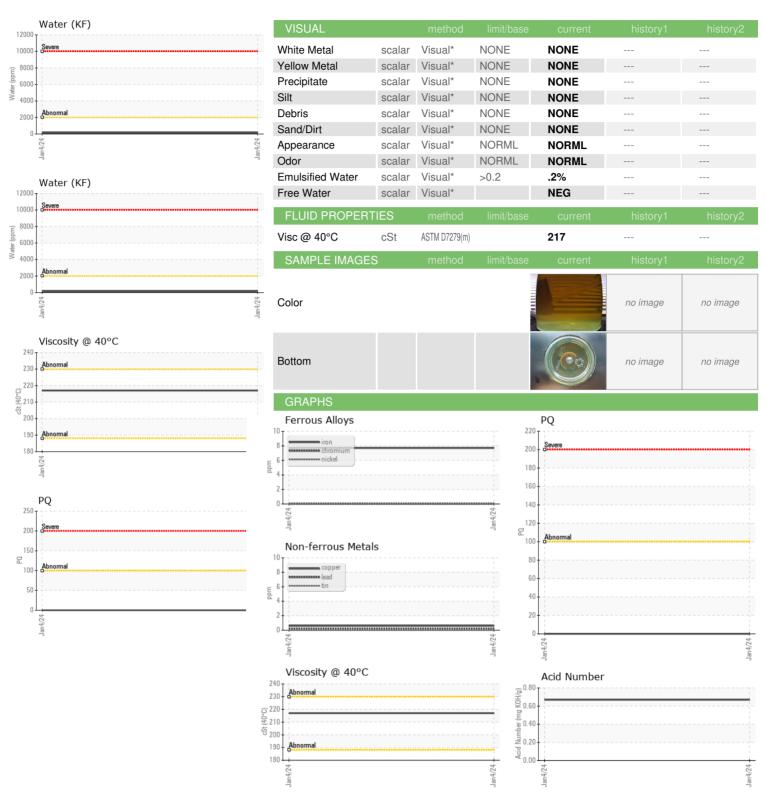
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Acid Number (AN)

mg KOH/g ASTM D974\*



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

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

: 5707933

: WC0869282 : 02606847

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

: 05 Jan 2024 : 09 Jan 2024 Diagnostician : Kevin Marson

Test Package : IND 2 ( Additional Tests: KF, TAN Man ) 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.

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