

OIL ANALYSIS REPORT

CAMPBELLFORD PLANT 2 Machine Id WICKET GATE HPU G2 BLADE

Component

Hydraulic System

PETRO CANADA HYDREX MV 32 (100 LTR)





	NOS	
\sim	\sim	10

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

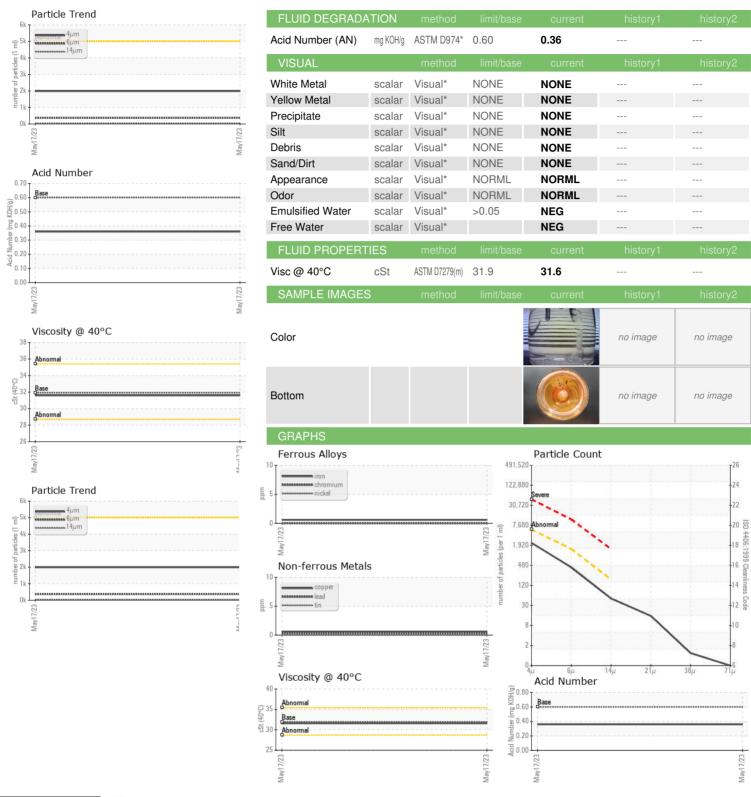
Fluid Condition

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

R)				May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	,,, (11011	Client Info	minu bacc	WC0736388		
Sample Number		Client Info				
Sample Date Machine Age		Client Info		17 May 2023 25		
	yrs	Client Info		25		
Oil Age	yrs	Client Info		_		
Oil Changed		Client inio		Not Changd NORMAL		
Sample Status			11 11 11			
CONTAMINATION	N .	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)	>20	<1		
Tin	ppm	ASTM D5185(m)	>20	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)	1	0		
Magnesium	ppm	ASTM D5185(m)	0	0		
Calcium	ppm	ASTM D5185(m)	50	35		
Phosphorus	ppm	ASTM D5185(m)	330	383		
Zinc	ppm	ASTM D5185(m)	430	430		
Sulfur	ppm	ASTM D5185(m)	760	831		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	;	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		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	1994		
Particles >6µm		ASTM D7647	>1300	369		
Particles >14μm		ASTM D7647	>160	43		
Particles >21µm		ASTM D7647	>40	13		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02560201 Unique Number : 5581241

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0736388 : 29 May 2023 Received **Tested** : 30 May 2023 : 30 May 2023 - Wes Davis Diagnosed

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.

PETERBOROUGH UTILITIES INC

1867 ASHBURNHAM DRIVE PETERBOROUGH, ON

CA K9L 1P8 Contact: Dan Brown

dbrown@peterboroughutilities.ca

T: (705)933-6893 F: (705)748-3138