

## **OIL ANALYSIS REPORT**

# Galv Line [Galv Line] 695170-DELIVERY EDGE GUIDE

. Component **Hydraulic System** 

PETRO CANADA HYDREX AW 46 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

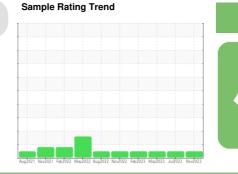
All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. 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.





NORMAL

Sample NumberClient InfoPCA0107680PCA0101539PCA0095Sample DateClient Info20 Nov 202301 Jul 202301 May 20Machine AgehrsClient Info000Oil AgehrsClient Info000Oil ChangedClient InfoN/AN/ANot ChanSample StatusImageNoRMALNORMALNORMALWEAR METALSmethodlimit/basecurrenthistory1history1	023
Machine Age   hrs   Client Info   0   0   0     Oil Age   hrs   Client Info   0   0   0   0     Oil Changed   Client Info   N/A   N/A   Not Chan     Sample Status   V   NORMAL   NORMAL   NORMAL	
Oil Age hrs Client Info 0 0   Oil Changed Client Info N/A N/A Not Chan   Sample Status NORMAL NORMAL NORMAL	gd
Oil Changed Client Info N/A N/A Not Chan   Sample Status NORMAL NORMAL NORMAL	gd
Sample Status NORMAL NORMAL NORMAL	gd
	<u> </u>
WEAR METALS method limit/base current history1 histor	
	ry2
Iron ppm ASTM D5185m >20 2 1 <1	
Chromium     ppm     ASTM D5185m     >20     <1	
Nickel ppm ASTM D5185m >20 <1 0 0	
Titanium     ppm     ASTM D5185m     <1	
Silver     ppm     ASTM D5185m     0     0     0	
Aluminum     ppm     ASTM D5185m     >20     2     0     <1	
Lead ppm ASTM D5185m >20 0 <1 0	
Copper     ppm     ASTM D5185m     >20     19     21     19	
Tin     ppm     ASTM D5185m     >20     1     1     <1	
Vanadium     ppm     ASTM D5185m     0     0     0	
Cadmium     ppm     ASTM D5185m     <1	
ADDITIVES method limit/base current history1 histor	ry2
Boron ppm ASTM D5185m 0 0 0	
Barium ppm ASTM D5185m 0 4 0 0	
Molybdenum     ppm     ASTM D5185m     0     <1	
Manganese     ppm     ASTM D5185m     0     <1	
Magnesium     ppm     ASTM D5185m     0     56     65     65	
Calcium     ppm     ASTM D5185m     50     76     86     78	
Phosphorus     ppm     ASTM D5185m     330     408     402     398	
Zinc ppm ASTM D5185m 430 487 522 477	
Sulfur     ppm     ASTM D5185m     760     1613     1853     1642	
CONTAMINANTS method limit/base current history1 histor	ry2
Silicon     ppm     ASTM D5185m     >15     <1	
Sodium     ppm     ASTM D5185m     <1	
Potassium     ppm     ASTM D5185m     >20     1     1     0	
Water     %     ASTM D6304     >0.05     NEG     NEG	
FLUID CLEANLINESS method limit/base current history1 histor	ry2
Particles >4μm     ASTM D7647     >5000     3468     3525     4395	
Particles >6μm     ASTM D7647     >1300     599     894     1160	
Particles >14μm     ASTM D7647     >160     20     39     60	
Particles >21μm     ASTM D7647     >40     3     12     14	
Particles >38μm     ASTM D7647     >10     0     1     1	
Particles >71μm     ASTM D7647     >3     0     0     0	
Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     19/16/11     19/17/12     19/17/17	13

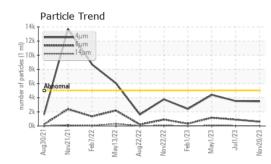
Acid Number (AN) mg KOH/g ASTM D8045 0.70 0.44

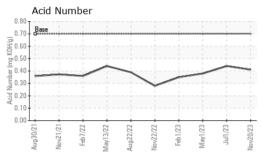
0.41

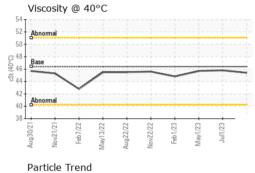
0.38

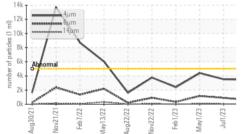


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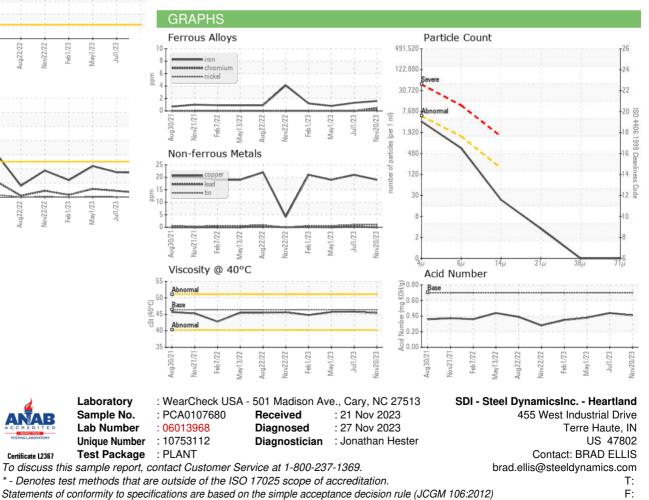






VISUAL		method	limit/base	current	history1	history2
VISUAL		methou	IIIIII/Dase	current	TIIStOLAT	TIIStOLYZ
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.4	45.4	45.8	45.7
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color				•	•	690 DBI Part Afri

Bottom



Contact/Location: BRAD ELLIS - SDITER