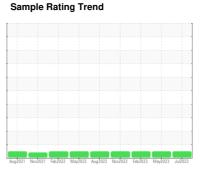


# **OIL ANALYSIS REPORT**

# Galv Line [Galv Line] 690115-STEERING UNIT 5- 6

**Hydraulic System** 

PETRO CANADA HYDREX AW 46 (--- GAL)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### **Fluid Condition**

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

,		Aug2021 No	v2021 Feb2022 May2022	Aug 2022 Nov 2022 Feb 2023 May 20	23 Jul2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0101438	PCA0095488	PCA0089472
Sample Date		Client Info		01 Jul 2023	01 May 2023	01 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184		17		
Iron	ppm	ASTM D5185m	>20	2	1	1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	7	6	7
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	0	9	11	8
Calcium	ppm	ASTM D5185m	50	79	82	77
Phosphorus	ppm	ASTM D5185m	330	275	275	268
Zinc	ppm	ASTM D5185m	430	318	312	309
Sulfur	ppm	ASTM D5185m	760	2468	2381	2420
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	<1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANI	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3759	3579	2117
Particles >6µm		ASTM D7647	>1300	946	529	528
Particles >14µm		ASTM D7647	>160	48	17	13
Particles >21µm		ASTM D7647	>40	16	6	3
Particles >38µm		ASTM D7647	>10	2	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/13	19/16/11	18/16/11
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	0.23	0.21	0.20



## **OIL ANALYSIS REPORT**

