

OIL ANALYSIS REPORT

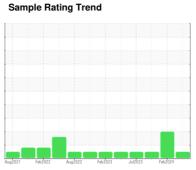
NORMAL

Galy Line

[Galv Line] 695170-DELIVERY EDGE GUIDE

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

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.

		Aug2021	Feb2022 Aug2022	Feb 2023 Jul 2023 Fe	52024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117570	PCA0117545	PCA0107680
Sample Date		Client Info		05 Jun 2024	12 Feb 2024	20 Nov 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	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METAL	.S	method	limit/base	current	history1	history2
PQ		ASTM D8184		13		
Iron	ppm	ASTM D5185m	>20	0	<1	2
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	2
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	18	19	19
Tin	ppm	ASTM D5185m	>20	0	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	4
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	0	43	57	56
Calcium	ppm	ASTM D5185m	50	65	79	76
Phosphorus	ppm	ASTM D5185m	330	400	340	408
Zinc	ppm	ASTM D5185m	430	483	486	487
Sulfur	ppm	ASTM D5185m	760	1669	1378	1613
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		2	1	<1
Potassium	ppm	ASTM D5185m	>20	0	2	1
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1417	<u>^</u> 7304	3468
Particles >6µm		ASTM D7647	>1300	409	<u>^</u> 2648	599
Particles >14µm		ASTM D7647	>160	74	<u>229</u>	20
Particles >21μm		ASTM D7647	>40	27	<u>44</u>	3
Particles >38µm		ASTM D7647	>10	3	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	<u>20/19/15</u>	19/16/11
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	0.34	0.34	0.41



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Certificate 12367

Laboratory Sample No.

Lab Number : 06201599 Unique Number : 11063722

: PCA0117570 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024

Tested : 17 Jun 2024 Diagnosed

: 17 Jun 2024 - Doug Bogart

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To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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