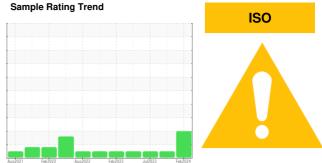


Galv Line

OIL ANALYSIS REPORT

[Galv Line] 695170-DELIVERY EDGE GUIDE
Component
Hydraulic System

PETRO CANADA HYDREX AW 46 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

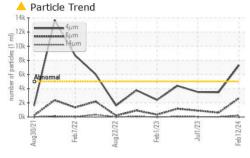
Fluid Condition

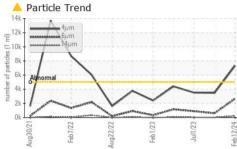
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

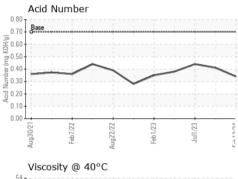
)		Aug2021	Feb2022 Aug2022	Feb2023 Jul2023	Feb 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117545	PCA0107680	PCA0101539
Sample Date		Client Info		12 Feb 2024	20 Nov 2023	01 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	2	1
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	19	19	21
Tin	ppm	ASTM D5185m	>20	<1	1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	4	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	57	56	65
Calcium	ppm	ASTM D5185m	50	79	76	86
Phosphorus	ppm	ASTM D5185m	330	340	408	402
Zinc	ppm	ASTM D5185m	430	486	487	522
Sulfur	ppm	ASTM D5185m	760	1378	1613	1853
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		1	<1	0
Potassium	ppm	ASTM D5185m		2	1	1
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEANL	INESS		limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	^ 7304	3468	3525
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2648	599	894
Particles >14μm		ASTM D7647	>160	<u>^</u> 229	20	39
Particles >21µm		ASTM D7647		<u>44</u>	3	12
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>20/19/15</u>	19/16/11	19/17/12
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	0.34	0.41	0.44

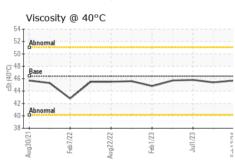


OIL ANALYSIS REPORT









VISUAL		method	limit/base	current	history1	history2
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	NONE	LIGHT	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

1 LOID I HOI LITTI					,,,,,,
Visc @ 40°C cSt	ASTM D445	46.4	45.7	45.4	45.8

SAMPLE IMAGES

method

limit/base

current

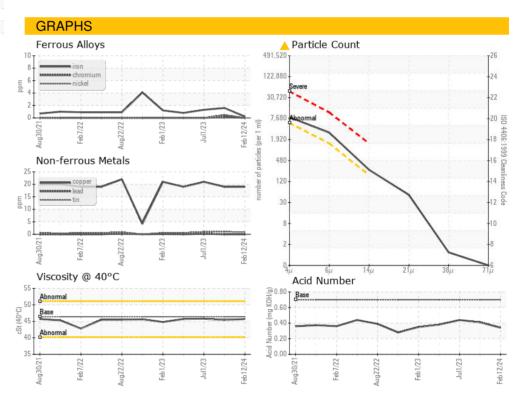
history1

history2

Bottom

Color









Certificate L2367

Laboratory Sample No. Lab Number : 06088141

: PCA0117545

Unique Number: 10875586 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024 : 15 Feb 2024

Tested : 15 Feb 2024 - Don Baldridge Diagnosed

SDI - Steel DynamicsInc. - Heartland

455 West Industrial Drive

Terre Haute, IN US 47802

Contact: BRAD ELLIS

brad.ellis@steeldynamics.com T:

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)

F: