

OIL ANALYSIS REPORT

Pickle Line Machine Id [Pickle Line] 585270-EXIT COIL CAR

Hydraulic System

PETRO CANADA HYDREX AW 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

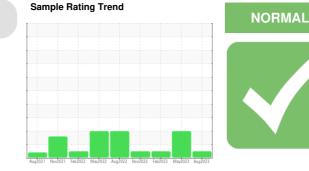
All component wear rates are normal.

Contamination

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

Fluid Condition

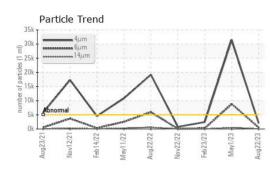
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

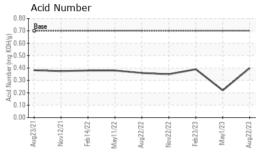


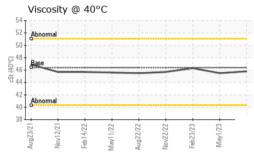
		Augzuzi No		Aug2022 Nov2022 Feb2023 May20		
SAMPLE INFORM	ЛАТІОN	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0101442	PCA0095478	PCA0089477
Sample Date		Client Info		22 Aug 2023	01 May 2023	23 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	5	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		<1	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	0	0	<1
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	6	1
Calcium	ppm	ASTM D5185m	50	54	46	57
Phosphorus	ppm	ASTM D5185m	330	337	300	318
Zinc	ppm	ASTM D5185m	430	438	365	411
Sulfur	ppm	ASTM D5185m	760	963	1740	1095
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANL	INESS.	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2033	A 31466	2455
Particles >6µm		ASTM D7647	>1300	497	<u> </u>	250
		ASTM D7647	>160	29	4 90	10
Particles >14µm		101101010				
Particles >14µm Particles >21µm		ASTM D7647		5	<u> </u>	2
•				5 0	▲ 89 2	2 1
Particles >21µm		ASTM D7647	>40 >10			
Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647	>40 >10	0	2	1
Particles >21µm Particles >38µm Particles >71µm)ATION	ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c)	>40 >10 >3	0 0 18/16/12	2 0	1 1

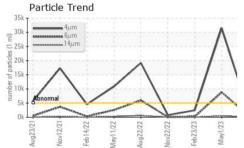


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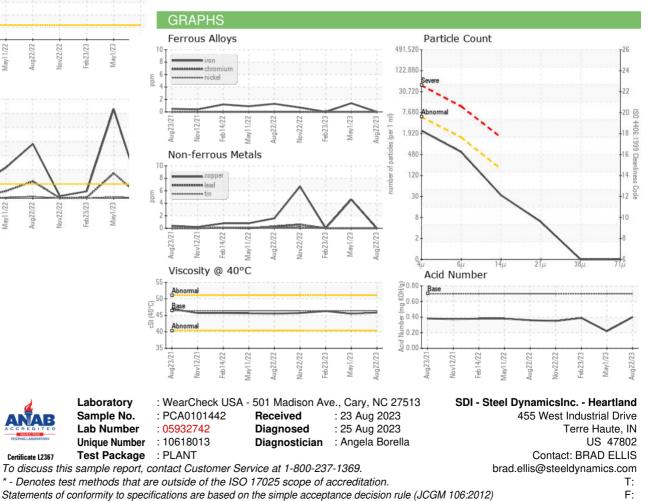






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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
Visc @ 40°C	cSt	ASTM D445	46.4	45.8	45.5	46.3
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color						A A

Bottom



Contact/Location: BRAD ELLIS - SDITER