

# **OIL ANALYSIS REPORT**

# Bulk Oil Storage Hydrex AW46 Storage

Reservoir Pump

PETRO CANADA HYDREX AW 46 (60 GAL)

Sample Rating Trend



## 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.

,		b2018 Dec20	118 Sep2019 Apr2020	Jan2021 Oct2021 Jul2022 Ap	r2023 Jan 202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0783916	WC0816920	WC0816923
Sample Date		Client Info		24 Jan 2024	30 Oct 2023	26 Jul 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	0	0
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>7	0	0	<1
Lead	ppm	ASTM D5185m	>12	0	0	2
Copper	ppm	ASTM D5185m	>30	0	<1	0
Tin	ppm	ASTM D5185m	>9	<1	0	<1
Vanadium	ppm	ASTM D5185m	75	<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
	ррпп	AOTIVI DOTOSIII		<u> </u>		
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	0	<1	2
Calcium	ppm	ASTM D5185m	50	46	51	40
Phosphorus	ppm	ASTM D5185m	330	332	333	249
Zinc	ppm	ASTM D5185m	430	377	429	384
Sulfur	ppm	ASTM D5185m	760	901	896	850
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<1	0	0
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	519	706	366
Particles >6µm		ASTM D7647	>1300	106	358	130
Particles >14μm		ASTM D7647	>160	6	73	22
Particles >21µm		ASTM D7647	>40	0	10	5
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10	17/16/13	16/14/12
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FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0783916

: 06075707 : 10857798

: 31 Jan 2024 Recieved Diagnosed : 01 Feb 2024 Diagnostician : Don Baldridge

Test Package : IND 2 ( Additional Tests: PrtCount ) 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) **INGREDION INC** 

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