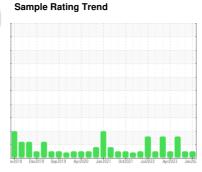


OIL ANALYSIS REPORT

Wetstarch Reineveld Hydraulic System

Reservoir Hydraulic System

PETRO CANADA HYDREX AW 32 (15 GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

'		in2018 Dec20	18 Sep2019 Apr2020	Jan 2021 Oct 2021 Jul 2022 Ap	2023 Jan 202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0886165	WC0816908	WC0635838
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	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	1	4
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	<1	1	0
Tin	ppm	ASTM D5185m	>20	<1	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	0
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	0	<1	2
Calcium	ppm	ASTM D5185m	50	48	53	56
Phosphorus	ppm	ASTM D5185m	330	379	375	374
Zinc	ppm	ASTM D5185m	430	419	483	523
Sulfur	ppm	ASTM D5185m	760	942	1087	1446
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1327	425	2834
Particles >6µm		ASTM D7647	>1300	564	133	1471
Particles >14μm		ASTM D7647	>160	99	23	△ 396
Particles >21µm		ASTM D7647	>40	13	6	<u>▲</u> 126
Particles >38μm		ASTM D7647	>10	0	0	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/14	16/14/12	△ 19/18/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.50	0.39	0.34	0.33



OIL ANALYSIS REPORT







Certificate L2367

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

: WC0886165 : 06075697 : 10857788 : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 31 Jan 2024 : 01 Feb 2024 Diagnosed : Wes Davis Diagnostician

INGREDION INC WINSTON SALEM PLANT, 4501 OVERDALE ROAD

WINSTON SALEM, NC US 27107

Contact: MATTHEW KING matthew.king@ingredion.com

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: (336)785-8809

T: