

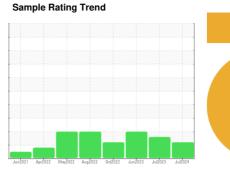
OIL ANALYSIS REPORT

FINISHING/1255

1255-003-1800 - CENTER GUIDE HPU 1255-003-1800 - CENTER GUIDE HPU

Hydraulic System

PETRO CANADA HYDREX AW 68 (--- GAL)





Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

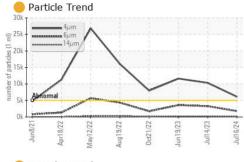
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

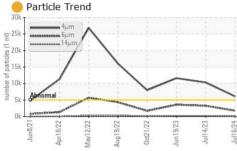
Jun2021 Agr2022 Mag2022 Aug2022 Oct2022 Jun2023 Jut2023 Jut2024							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		KFS0004547	KFS0003849	KFS0002219	
Sample Date		Client Info		16 Jul 2024	14 Jul 2023	19 Jun 2023	
Machine Age	hrs	Client Info		0	0	0	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				ATTENTION	ABNORMAL	ABNORMAL	
CONTAMINATION	1	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	0	0	0	
Chromium	ppm	ASTM D5185m	>20	0	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	0	
Titanium	ppm	ASTM D5185m		0	0	<1	
Silver	ppm	ASTM D5185m		0	0	0	
Aluminum	ppm	ASTM D5185m	>20	0	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	<1	
Copper	ppm	ASTM D5185m	>20	<1	2	2	
Tin	ppm	ASTM D5185m	>20	0	0	0	
Vanadium	ppm	ASTM D5185m		0	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	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	0	
Manganese	ppm	ASTM D5185m	0	0	0	<1	
Magnesium	ppm	ASTM D5185m	0	<1	0	1	
Calcium	ppm	ASTM D5185m	50	50	53	49	
Phosphorus	ppm	ASTM D5185m	330	342	363	340	
Zinc	ppm	ASTM D5185m	430	446	465	434	
Sulfur	ppm	ASTM D5185m	760	942	1039	932	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1	
Sodium	ppm	ASTM D5185m		1	0	<1	
Potassium	ppm	ASTM D5185m	>20	0	<1	<1	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	6134	<u>▲</u> 10322	<u>11633</u>	
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>^</u> 3270	▲ 3601	
Particles >14μm		ASTM D7647	>160	124	235	261	
Particles >21μm		ASTM D7647	>40	25	50	68	
Particles >38μm		ASTM D7647	>10	1	1	1	
Particles >71μm		ASTM D7647	>3	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	<u>^</u> 21/19/15	<u>^</u> 21/19/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	

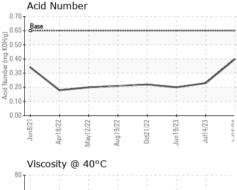
0.23

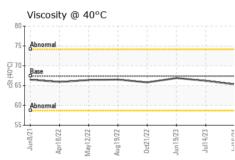


OIL ANALYSIS REPORT









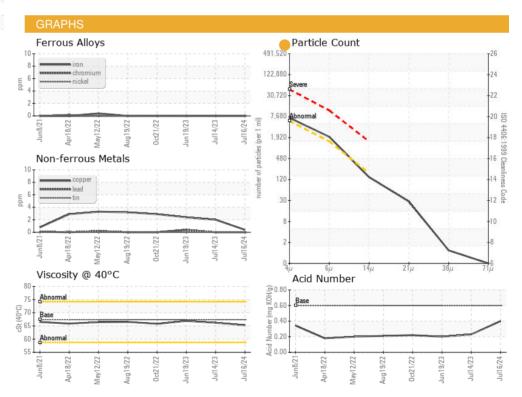
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
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FLUID PROPERTIES						

Visc @ 40°C	cSt	ASTM D445	67.4	65.3	66.2	66.9

Color











Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: KFS0004547 Lab Number : 06241622 Unique Number : 11130456

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jul 2024 **Tested** : 22 Jul 2024

Diagnosed

: 22 Jul 2024 - Wes Davis

US 35661 Contact: Randy Nichols randall.nichols@constellium.com T: (256)386-6956

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)

CONSTELLIUM

4805 SECOND STREET

MUSCLE SHOALS, AL