

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

COLD MILL/CM-3STD-2N HAGC 1536-001-4410

Hydraulic System

PETRO CANADA HYDREX AW 68 (1500 GA

DIAGNOSIS

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.

AL)		May2021 Aug	2021 Dec2021 May2022	Jun2022 Sep2022 Nov2022 Feb20	23 Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004866	KFS0002535	KFS0001924
Sample Date		Client Info		10 Nov 2023	08 Feb 2023	03 Nov 2022
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				NORMAL	NORMAL	NORMAL
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	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	0
Tin	ppm	ASTM D5185m	>20	4	<1	0
Vanadium	ppm	ASTM D5185m		0	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	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	50	44	46	47
Phosphorus	ppm	ASTM D5185m	330	322	324	347
Zinc	ppm	ASTM D5185m	430	429	423	427
Sulfur	ppm	ASTM D5185m	760	784	924	734
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	0
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	881	164	179
Particles >6μm		ASTM D7647	>1300	235	46	54
Particles >14µm		ASTM D7647	>160	17	4	11
Particles >21µm		ASTM D7647	>40	4	2	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	15/13/9	15/13/11
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	0.23	0.37	0.38



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

: 06007646 : 10741408 Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 14 Nov 2023 : KFS0004866 Received Diagnosed : 15 Nov 2023

: Wes Davis Diagnostician

Contact: Randy Nichols randall.nichols@constellium.com

* - 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) T: (256)386-6956

US 35661

CONSTELLIUM

4805 SECOND STREET

MUSCLE SHOALS, AL