

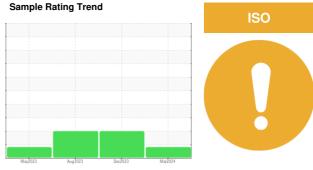
## **OIL ANALYSIS REPORT**

# ROLL SHOP

## 60 Farrel Spindle lube 8100-004-0002

**Hydraulic System** 

PETRO CANADA HYDREX AW 32 (--- 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.

All component wear rates are normal.

### Contamination

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

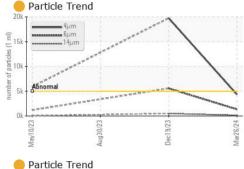
### **Fluid Condition**

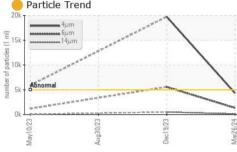
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

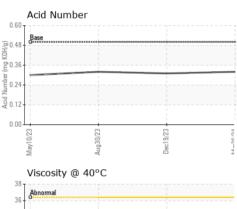
.)		May202	3 Aug <sup>2</sup> 023	Dec2023 M	ar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004860	KFS0005230	KFS0003616
Sample Date		Client Info		26 Mar 2024	19 Dec 2023	30 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
CONTAMINATION	V	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	<1	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	<1	8	0
Vanadium	ppm	ASTM D5185m		0	0	<1
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	<1	0	<1
Magnesium	ppm	ASTM D5185m	0	1	<1	4
Calcium	ppm	ASTM D5185m	50	32	25	43
Phosphorus	ppm	ASTM D5185m	330	252	287	321
Zinc	ppm	ASTM D5185m	430	367	276	410
Sulfur	ppm	ASTM D5185m	760	913	754	962
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	<1
Sodium	ppm	ASTM D5185m		2	6	2
Potassium	ppm	ASTM D5185m	>20	2	<1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4328	<u>▲</u> 19748	
Particles >6μm		ASTM D7647	>1300	<u> </u>	▲ 5572	
Particles >14μm		ASTM D7647	>160	134	<b>496</b>	
Particles >21µm		ASTM D7647	>40	39	<u>▲</u> 157	
Particles >38µm		ASTM D7647	>10	1	12	
Particles >71µm			>3	1	2	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/18/14</b>	<u>\$\text{21/20/16}\$</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.50	0.32	0.31	0.32



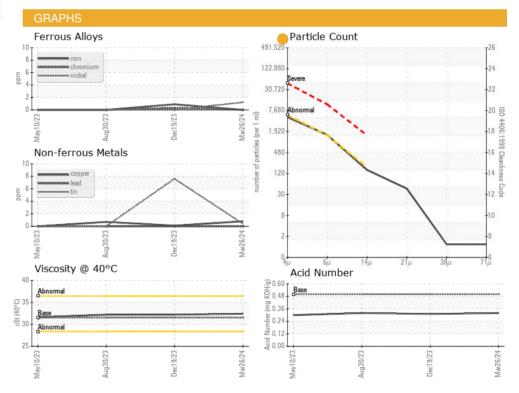
## **OIL ANALYSIS REPORT**













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Certificate L2367

Laboratory Sample No. Lab Number

: KFS0004860 : 06131974 Unique Number: 10951439 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Mar 2024 **Tested** : 29 Mar 2024

Diagnosed

: 29 Mar 2024 - Wes Davis

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.

Contact: Randy Nichols randall.nichols@constellium.com

T: (256)386-6956 F:

4805 SECOND STREET

MUSCLE SHOALS, AL

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**CONSTELLIUM** 

US 35661