

OIL ANALYSIS REPORT

Area HOTLINE/SCALPER Machine Id SCALPER MAIN HYD RESV 1401-001-4010

Hydraulic System

PETRO CANADA HYDREX AW 68 (60 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

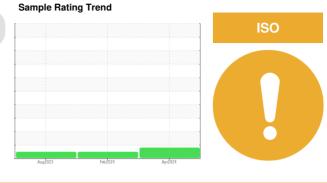
All component wear rates are normal.

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.



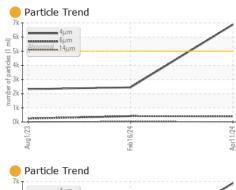
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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		KFS0004857	KFS0004835	KFS0003805		
Sample Date		Client Info		11 Apr 2024	16 Feb 2024	01 Aug 2023		
Machine Age	hrs	Client Info		0	0	0		
Oil Age	hrs	Client Info		0	0	0		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				ATTENTION	NORMAL	NORMAL		
CONTAMINATIO	N	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	<1		
Chromium	ppm	ASTM D5185m	>20	0	0	0		
Nickel	ppm	ASTM D5185m	>20	<1	0	0		
Titanium	ppm	ASTM D5185m		0	0	<1		
Silver	ppm	ASTM D5185m		0	0	0		
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1		
Lead	ppm	ASTM D5185m	>20	<1	0	0		
Copper	ppm	ASTM D5185m	>20	0	0	<1		
Tin	ppm	ASTM D5185m	>20	<1	5	<1		
Vanadium	ppm	ASTM D5185m		0	0	<1		
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	<1		
Molybdenum	ppm	ASTM D5185m	0	0	0	0		
Manganese	ppm	ASTM D5185m	0	<1	0	<1		
Magnesium	ppm	ASTM D5185m	0	4	2	7		
Calcium	ppm	ASTM D5185m	50	4	4	1		
Phosphorus	ppm	ASTM D5185m	330	338	345	355		
Zinc	ppm	ASTM D5185m	430	13	35	24		
Sulfur	ppm	ASTM D5185m	760	1562	936	1161		
CONTAMINANTS	6	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	1	0	1		
Sodium	ppm	ASTM D5185m		<1	0	<1		
Potassium	ppm	ASTM D5185m	>20	2	0	1		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>5000	6881	2444	2322		
Particles >6µm		ASTM D7647	>1300	396	413	243		
Particles >14μm		ASTM D7647	>160	14	26	8		
Particles >21µm		ASTM D7647	>40	5	8	3		
Particles >38µm		ASTM D7647	>10	1	1	0		
Particles >71µm		ASTM D7647		1	0	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/11	18/16/12	18/15/10		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	1.27	1.51	1.37		
2:07:03) Rov: 1	y y		5.00	Submitted By: COLD MILL - Josh Edwards				

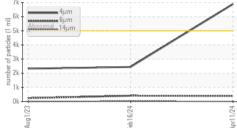
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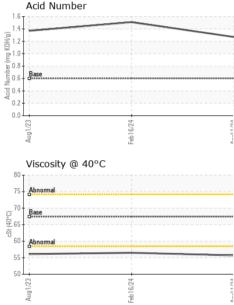
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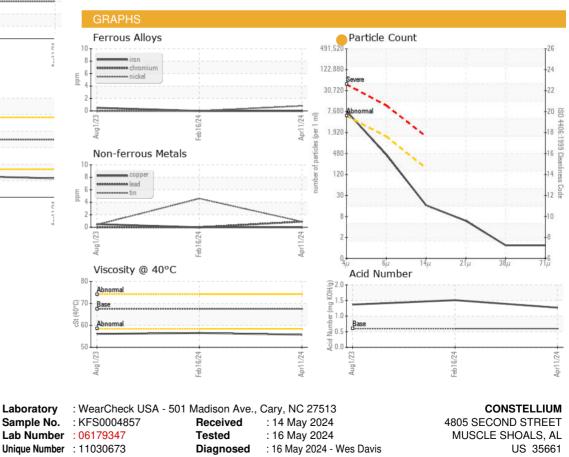
OIL ANALYSIS REPORT







MOLIAI			11 1. 0			
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	LIGHT	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
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	55.7	56.5	56.1
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				•	•	Processor
Bottom						



Certificate L2367 To discuss To discuss * - Denotes

 Certificate 12367
 Test Package
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 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 joel.

 * - 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)

4805 SECOND STREET MUSCLE SHOALS, AL US 35661 Contact: Joel Even joel.even@constellium.com T: (256)740-7490 2012) F:

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