

OIL ANALYSIS REPORT

Area HOTLINE/SCALPER Machine Id SPINDLE LUBE RESERVOIR 1401-001-1790

Hydraulic System

PETRO CANADA HYDREX AW 68 (50 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

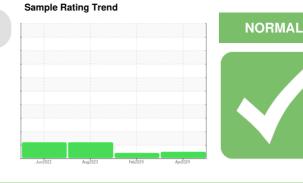
All component wear rates are normal.

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.



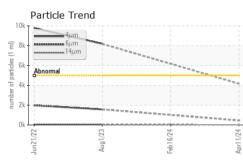
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		KFS0004855	KFS0004833	KFS0003803		
Sample Date		Client Info		11 Apr 2024	16 Feb 2024	01 Aug 2023		
Machine Age	hrs	Client Info		0	0	0		
Oil Age	hrs	Client Info		0	0	0		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				NORMAL	ABNORMAL	ATTENTION		
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	0		
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	<1		
Aluminum	ppm	ASTM D5185m	>20	0	0	<1		
Lead	ppm	ASTM D5185m	>20	0	0	0		
Copper	ppm	ASTM D5185m	>20	0	0	<1		
Tin	ppm	ASTM D5185m	>20	<1	3	<1		
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	<1	1	<1		
Molybdenum	ppm	ASTM D5185m	0	0	0	0		
Manganese	ppm	ASTM D5185m	0	<1	0	<1		
Magnesium	ppm	ASTM D5185m	0	2	2	7		
Calcium	ppm	ASTM D5185m	50	47	54	48		
Phosphorus	ppm	ASTM D5185m	330	328	358	323		
Zinc	ppm	ASTM D5185m	430	416	463	411		
Sulfur	ppm	ASTM D5185m	760	982	786	857		
CONTAMINANTS	\$	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	<1	<1	0		
Sodium	ppm	ASTM D5185m		1	0	1		
Potassium	ppm	ASTM D5185m	>20	<1	0	<1		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>5000	4163		8181		
Particles >6µm		ASTM D7647	>1300	457		1568		
Particles >14µm		ASTM D7647	>160	20		50		
Particles >21µm		ASTM D7647	>40	6		11		
Particles >38µm		ASTM D7647	>10	0		1		
Particles >71µm		ASTM D7647	>3	0		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/11		0/18/13		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	0.47	0.49	0.42		
7.10.27) Boy: 1				Submitted By: COLD MILL - Josh Edwards				

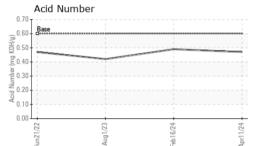
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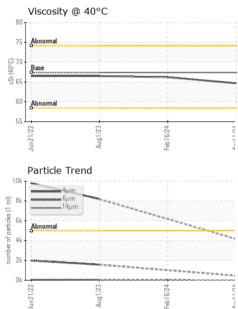
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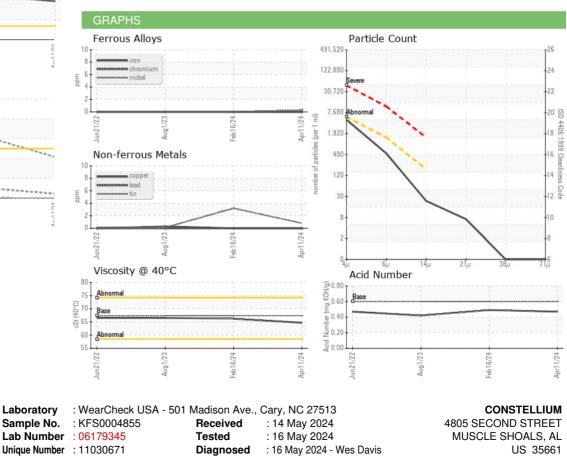
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VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	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 PROPERTIES						
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D445	limit/base 67.4	current 64.7	history1 66.2	history2 66.5
	cSt					
Visc @ 40°C	cSt	ASTM D445	67.4	64.7	66.2	66.5



Test Package : IND 2 Certificate 12367 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)

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