

OIL ANALYSIS REPORT

Plant Bulk Oil Machine Id [Plant Bulk Oil] Petro Canada Hydrex AW 46 Component

Bulk Fluid Tank

PETRO CANADA HYDREX AW 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Fluid

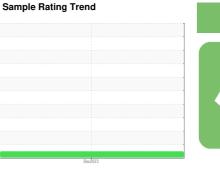
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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





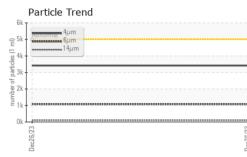
NORMAL

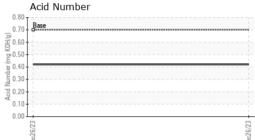
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0112983		
Sample Date		Client Info		26 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<1		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	0	0		
Barium	ppm ppm	ASTM D5185m	0	0		
Molybdenum		ASTM D5185m	0	0		
	ppm	ASTM D5185m	0	0		
Manganese Magnesium	ppm	ASTM D5185m	0	0		
Calcium	ppm		50	56		
	ppm	ASTM D5185m	330	358		
Phosphorus	ppm	ASTM D5185m				
Zinc	ppm	ASTM D5185m	430	465		
Sulfur	ppm	ASTM D5185m	760	953		
CONTAMINAN	TS	method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m		<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304		NEG		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3416		
Particles >6µm		ASTM D7647	>1300	1081		
Particles >14µm		ASTM D7647	>160	112		
Particles >21µm		ASTM D7647	>40	33		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	0.42		

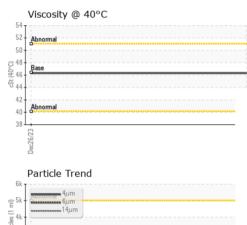


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VISUAL



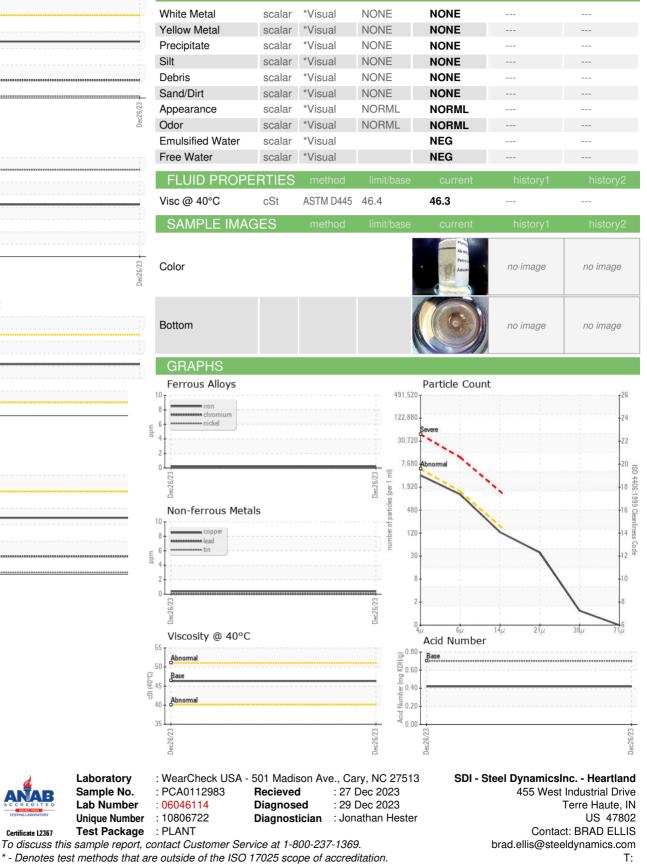




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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Certificate L2367

Laboratory

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