

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



North Crane Holding Gearbox

Component Gearbox

PETRO CANADA ENDURATEX EP 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

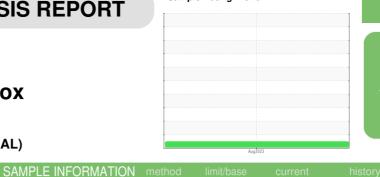
All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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



Sample Number		Client Info		PCA0102295		
Sample Date		Client Info		13 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS	S	method	limit/base	current	history1	history2
PQ		ASTM D8184		85		
Iron	ppm	ASTM D5185m	>200	76		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	27		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	PP					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	60	62		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	0	2		
Calcium	ppm	ASTM D5185m	0	17		
Phosphorus	ppm	ASTM D5185m	270	259		
Zinc	ppm	ASTM D5185m	0	<1		
Sulfur	ppm	ASTM D5185m	11200	7396		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	47		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.50		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		

NEG

NEG

>0.2

Emulsified Water

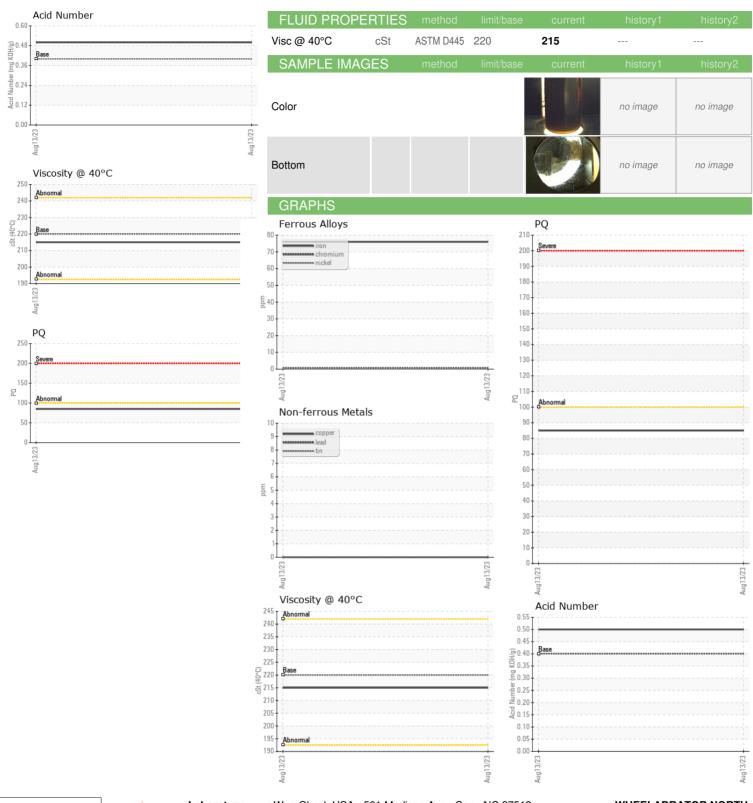
scalar *Visual

scalar *Visual

ttion:-Mitchell White --WHENOR



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number**

: 05923511 : 10603458 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0102295 Received : 14 Aug 2023 : 15 Aug 2023 Diagnosed Diagnostician : Doug Bogart

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)

WHEELABRATOR NORTH

285 HOLT RD NORTH ANDOVER, MA US 01845

Contact: Mitchell White mwhite1@win-waste.com

T: F:

Report Id: WHENOR [WUSCAR] 05923511 (Generated: 08/15/2023 11:58:47) Rev: 1

Contact/Location: Mitchell White - WHENOR