

OIL ANALYSIS REPORT

Sample Rating Trend

CONTAMINANT

KR-GR-001554-NORTH - 15000 MIXER (S/N MIX E - 11513084)

Gearbox

Area

Fluid PETRO CANADA 220 (--- QTS)

MIX ROOM E [98982224]

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Appearance is hazy. There is a high amount of particulates present in the oil.

Fluid Condition

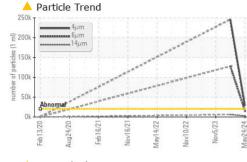
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

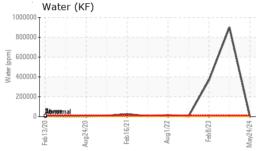
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0114154	PCA0116069	PCA0051933
Sample Date		Client Info		24 May 2024	14 Mar 2024	05 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	41	33	▲ 731
Chromium	ppm	ASTM D5185m	>15	<1	<1	<u> </u>
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m	210	<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	<1
Lead		ASTM D5185m	>20	2 <1	<1	0
	ppm					
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	9	4
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		8	7	<1
Manganese	ppm	ASTM D5185m		<1	<1	7
Magnesium	ppm	ASTM D5185m		2	1	2
Calcium	ppm	ASTM D5185m		10	11	27
Phosphorus	ppm	ASTM D5185m		459	472	364
Zinc	ppm	ASTM D5185m		18	17	12
Sulfur	ppm	ASTM D5185m		1431	1331	1166
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	8	5
Sodium	ppm	ASTM D5185m		1	<1	23
Potassium	ppm	ASTM D5185m	>20	2	2	20
Water	%	ASTM D6304	>0.2	0.115		▲ 90.0
ppm Water	ppm	ASTM D6304	>2000	1150		▲ 900000
FLUID CLEANI	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	A 29005	▲ 245950	
Particles >6µm		ASTM D7647	>5000	<u> </u>	1 28103	
Particles >14μm		ASTM D7647	>640	<u> </u>	6075	
Particles >21µm		ASTM D7647	>160	<u> </u>	4 55	
Particles >38µm		ASTM D7647	>40	▲ 140	3	
Particles >71µm		ASTM D7647	>10	▲ 14	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>	▲ 25/24/20	
FLUID DEGRA		method	limit/base	current	history1	history2
			minubase			
Acid Number (AN)	mg KOH/g	ASTM D8045		0.59	0.65	

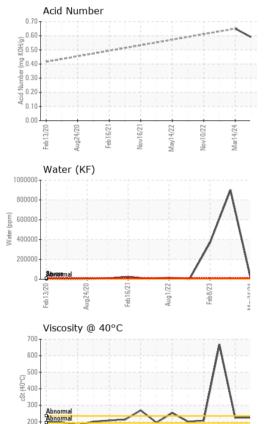
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Feb13/20

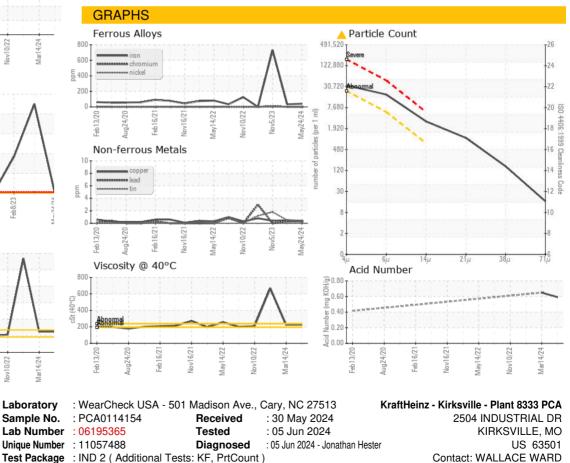
Aug 24/20

Feb16/21

0/18/2

Certificate 12367

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	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	🛑 HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	NEG	▲ 0.2%
Free Water	scalar	*Visual		NEG	NEG	▲ >10%
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		225	225	
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color						
Bottom						



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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