

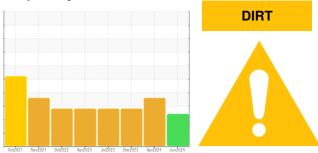
BAGLINE

OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



history1

current

history2

KETTLE 5 TUBLINE Refrigeration Compressor

Fluic

PETRO CANADA PURITY FG EP GEAR OIL 220 (1 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Area

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 6 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

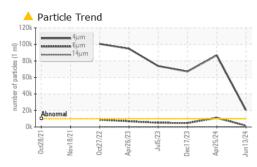
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

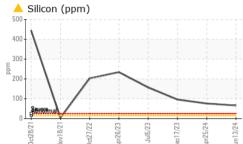
		methou	initia base	Guirent	Thistory	matoryz
Sample Number		Client Info		USP0013329	USP0006690	USP0004478
Sample Date		Client Info		13 Jun 2024	25 Apr 2024	17 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	3	2	2
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	1	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	2	A 31	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	5	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		623	520	530
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		523	515	381
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6 6	<mark>▲</mark> 76	9 6
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water	%	ASTM D6304	>0.01	0.001	0.002	0.010
ppm Water	ppm	ASTM D6304	>100	13	19	106
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	▲ 86811	67145
Particles >6µm		ASTM D7647	>2500	1682	<u> </u>	4776
Particles >14µm		ASTM D7647	>640	18	221	23
Particles >21µm		ASTM D7647	>160	2	63	3
Particles >38µm		ASTM D7647	>40	0	4	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/16	A 22/18/11	4 /21/15	a 23/19/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.51	0.55		0.55

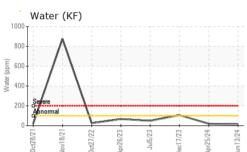
Contact/Location: Service Manager - KRACED Page 1 of 2



OIL ANALYSIS REPORT







0.80

0.70

(B/H0.60

B 0.50

0 40

Tuny 0.30

Pg 0.20

0.10

0.00

100

800

400

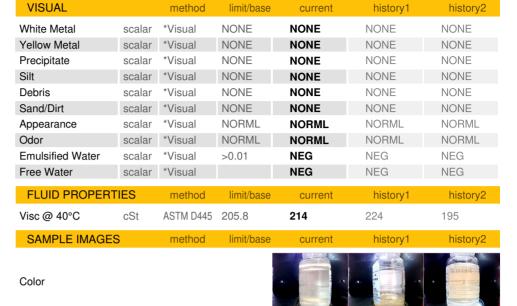
200

0ct28/2

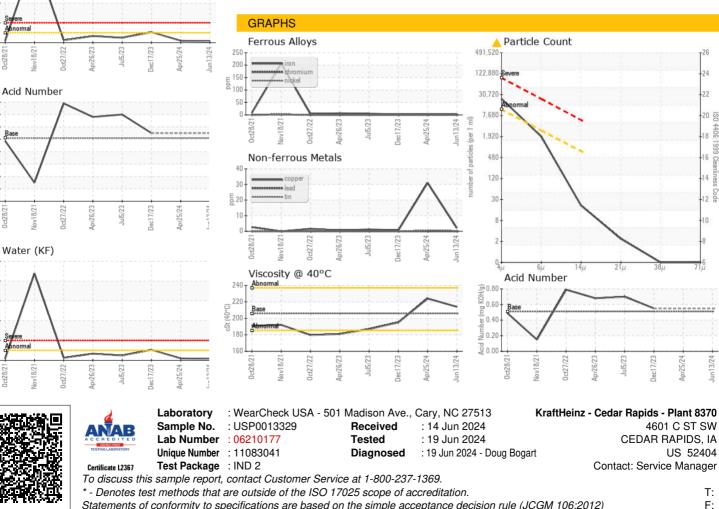
4ov18/7

(udd 600

Nater



Bottom



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

Report Id: KRACED [WUSCAR] 06210177 (Generated: 06/22/2024 04:57:03) Rev: 1

Contact/Location: Service Manager - KRACED Page 2 of 2