

OIL ANALYSIS REPORT

Area BAGLINE Machine Id KETTLE 2 - 11531818

Refrigeration Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Insufficient sample was received to conduct all the routine laboratory tests. There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006695	USP0004463	USP250214
Sample Date		Client Info		25 Apr 2024	17 Dec 2023	05 Jul 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	ABNORMA
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	<1	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	0	0	<1
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	17	14	17
Tin	ppm	ASTM D5185m	>4	1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	2	2
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	2
Calcium	ppm	ASTM D5185m		0	0	11
Phosphorus	ppm	ASTM D5185m		548	566	596
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m		531	461	706
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>15	6	8	6
Sodium	ppm ppm	ASTM D5185m	>15	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D5105III		0.003	0.002	0.004
ppm Water	ppm	ASTM D0304 ASTM D6304		33	24	41.6
		method	limit/base	current	history1	history2
FLUID CLEANLIN						
FLUID CLEANLIN Particles >4µm		ASTM D7647	>10000	<u> </u>	🔺 49672	🔺 54805
Particles >4µm		ASTM D7647 ASTM D7647	>10000 >2500	▲ 55352 ▲ 6362	▲ 49672▲ 6433	▲ 54805▲ 6017
Particles >4μm Particles >6μm						
		ASTM D7647	>2500	▲ 6362 151	▲ 6433	6017
Particles >4μm Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>2500 >640	6362	▲ 6433 52	▲ 6017 49
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>2500 >640 >160	▲ 6362 151 31	 ▲ 6433 52 12 	▲ 6017 49 10
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647 ASTM D7647	>2500 >640 >160 >40	 ▲ 6362 151 31 1 	 ▲ 6433 52 12 	 ▲ 6017 49 10 2
Particles >4μm Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>2500 >640 >160 >40 >10	 ▲ 6362 151 31 1 0 	 ▲ 6433 52 12 1 1 	 ▲ 6017 49 10 2 1

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Sample Rating Trend



.14um

80 70

60k

saptud jo salution salution administration administ

0

350

300

250 E 200

Agenticates Material

100 50

350

300 250

Abn 10

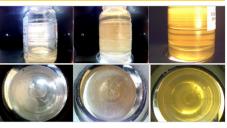
Water (KF)

nv18/21

Water (KF)

OIL ANALYSIS REPORT





history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

187

history

historv1

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

curren

current

NEG

NEG

196

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

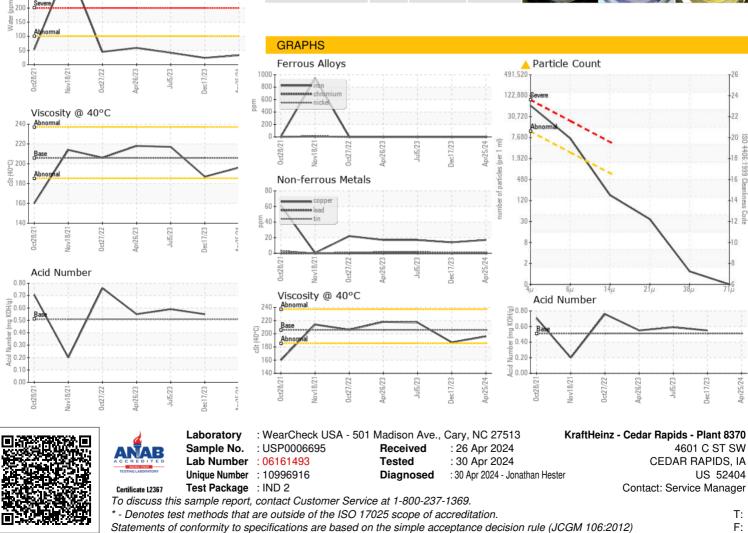
history2

history2

NEG

NEG

217



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