

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area BAGLINE KETTLE 1 - 11531817

Refrigeration Compressor

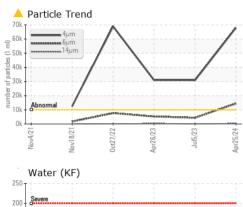
Fluid PETRO CANADA PURITY FG EP GEAR OIL 220 (1 GAL)

DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		USP0006693	USP250213	USP248064
We recommend an early resample to monitor this	Sample Date		Client Info		25 Apr 2024	05 Jul 2023	26 Apr 2023
condition.	Machine Age	hrs	Client Info		0	0	0
A Wear	Oil Age	hrs	Client Info		0	0	0
Bearing and/or bushing wear is indicated.	Oil Changed		Client Info		N/A	N/A	N/A
Contamination	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	WEAR METALS		method	limit/base	current	history1	history2
Fluid Condition The AN level is acceptable for this fluid.	Iron	ppm	ASTM D5185m	>8	<1	2	2
	Chromium	ppm	ASTM D5185m	>2	0	0	0
	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>3	0	<1	0
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		<u> </u>	23	33
	Tin	ppm	ASTM D5185m		<u> </u>	3	4
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		6	2	4
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		0	0	<1
	Manganese	ppm	ASTM D5185m		0	0	0
	Magnesium	ppm	ASTM D5185m		0	2	<1
	Calcium	ppm	ASTM D5185m		<1	10	13
	Phosphorus	ppm	ASTM D5185m		522	595	583
	Zinc	ppm	ASTM D5185m		0	1	7
	Sulfur	ppm	ASTM D5185m		511	706	616
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>15	8	6	10
	Sodium	ppm	ASTM D5185m		<1	<1	0
	Potassium	ppm	ASTM D5185m	>20	0	2	<1
	Water	%	ASTM D6304	>0.01	0.003	0.004	0.007
	ppm Water	ppm	ASTM D6304	>100	32	40.1	70.2
	FLUID CLEANLIN	NESS	method	limit/base		history1	history2
	Particles >4µm		ASTM D7647		67976	▲ 30896	▲ 30963
	Particles >6µm		ASTM D7647		<u> </u>	4389	<mark>▲</mark> 5315
	Particles >14µm		ASTM D7647		228	129	236
	Particles >21µm		ASTM D7647	>160	54	32	62
	Particles >38µm		ASTM D7647		3	4	3
	Particles >71µm		ASTM D7647	>10	1	1	0
	Oil Cleanliness		ISO 4406 (c)	>20/18/16	23/21/15	2 2/19/14	▲ 22/20/15
	FLUID DEGRADA		method	limit/base		history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974	0.51	0.61	0.58	0.57

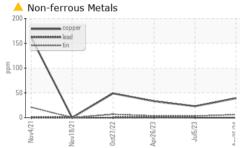
Contact/Location: Service Manager - KRACED Page 1 of 2

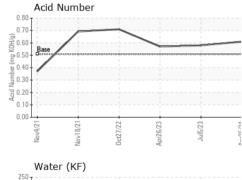


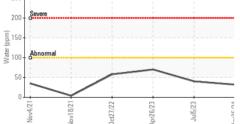
OIL ANALYSIS REPORT







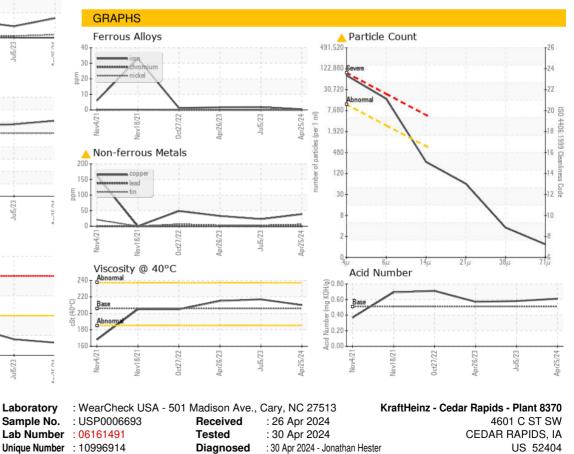






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	205.8	210	217	215
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color				•	Gearla KETTLE ITA WC ID: 38% KRACO	star i Tabline MS5240 VLSD V
					1	

Bottom



Test Package : IND 2 is sample report contact Customer Servic

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)

T: F:

Certificate 12367

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

Contact: Service Manager