

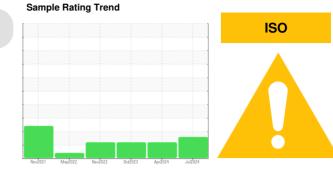
OIL ANALYSIS REPORT

Area HOLD-BAG HOLDING KETTLE B - 11531788

Refrigeration Compressor

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

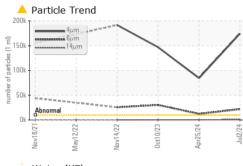
DIAGNOSIS	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		USP0012267	USP0006683	USP0001356
We recommend you service the filters on this	Sample Date		Client Info		02 Jul 2024	25 Apr 2024	10 Oct 2023
component if applicable. Resample at the next	Machine Age	hrs	Client Info		0	0	0
service interval to monitor.	Oil Age	hrs	Client Info		0	0	0
Wear	Oil Changed		Client Info		N/A	N/A	N/A
All component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination There is a high amount of particulates present in	WEAR METALS		method	limit/base	current	history1	history2
the oil.	Iron	ppm	ASTM D5185m	>8	20	6	15
Fluid Condition	Chromium	ppm	ASTM D5185m	>2	0	0	0
The AN level is acceptable for this fluid. The	Nickel	ppm	ASTM D5185m		0	0	0
condition of the oil is suitable for further service.	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>3	<1	0	<1
	Lead	ppm	ASTM D5185m	>2	0	0	0
	Copper	ppm	ASTM D5185m	>8	0	0	0
	Tin	ppm	ASTM D5185m		<1	0	<1
	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		<1	0	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		0	0	2
	Calcium	ppm	ASTM D5185m		0	0	4
	Phosphorus	ppm	ASTM D5185m		554	495	524
	Zinc	ppm	ASTM D5185m		0	0	0
	Sulfur	ppm	ASTM D5185m		697	575	623
	CONTAMINANTS		method	limit/base		history1	history2
	Silicon	ppm	ASTM D5185m	>15	6	4	7
	Sodium	ppm	ASTM D5185m	00	<1	0	1
	Potassium	ppm	ASTM D5185m		1	0	0
	Water Water	%	ASTM D6304		0.001	0.002	0.009
	ppm Water	ppm	ASTM D6304		10	16	92.7
	FLUID CLEANLIN Particles >4µm	VESS	method ASTM D7647	limit/base	current	history1	history2 ▲ 146922
	Particles >4µm Particles >6µm					84498 12412	
			ASTM D7647		▲ 21973		▲ 30312
	Particles >14µm		ASTM D7647		▲ 697	450	356
	Particles >21µm		ASTM D7647		138	102	42
	Particles >38µm		ASTM D7647		2	2	5
	Particles >71µm		ASTM D7647		0	0	1
	Oil Cleanliness		ISO 4406 (c)	>20/18/16	25/22/17	A 24/21/16	▲ 24/22/16
	FLUID DEGRAD		method	limit/base		history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974	0.51	0.41	0.50	0.50

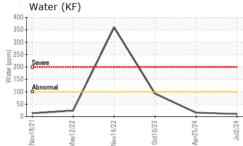


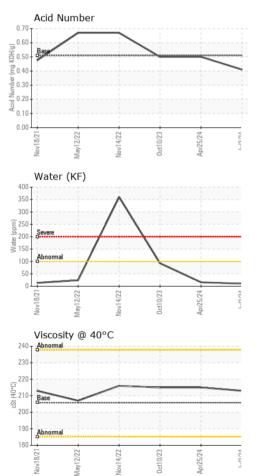
Contact/Location: Service Manager - KRACED Page 1 of 2



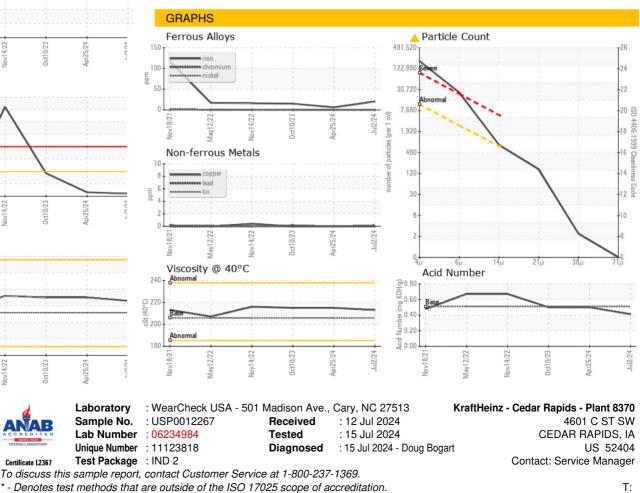
OIL ANALYSIS REPORT







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	NONE
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	213	215	215
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color					Ar W Ar W O'R W Ar W O'R W Ar W O'R W Ar W O'R W Ar W O'R W Ar W O'R W O'R W O'R W O'R W O'R W O'R O'R O'R O'R O'R O'R O'R O'R O'R O'R	
Bottom				()		



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

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