

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id FRICK DC-2 (S/N SGC19180205)

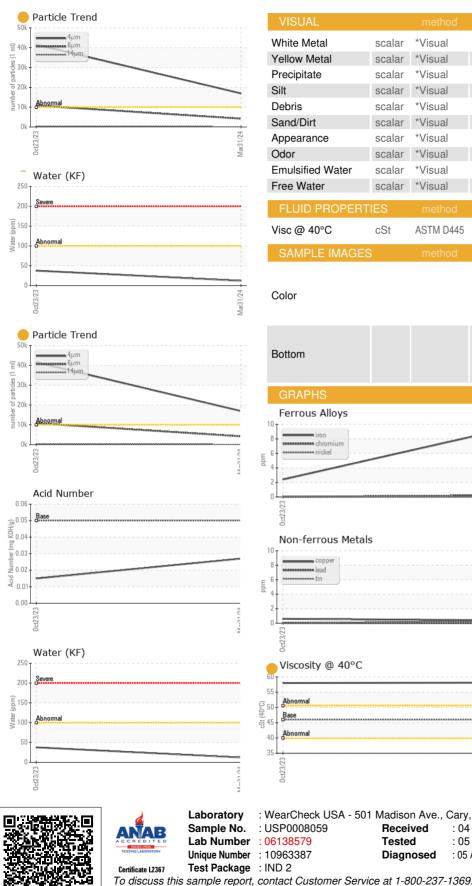
Component Refrigeration Compressor

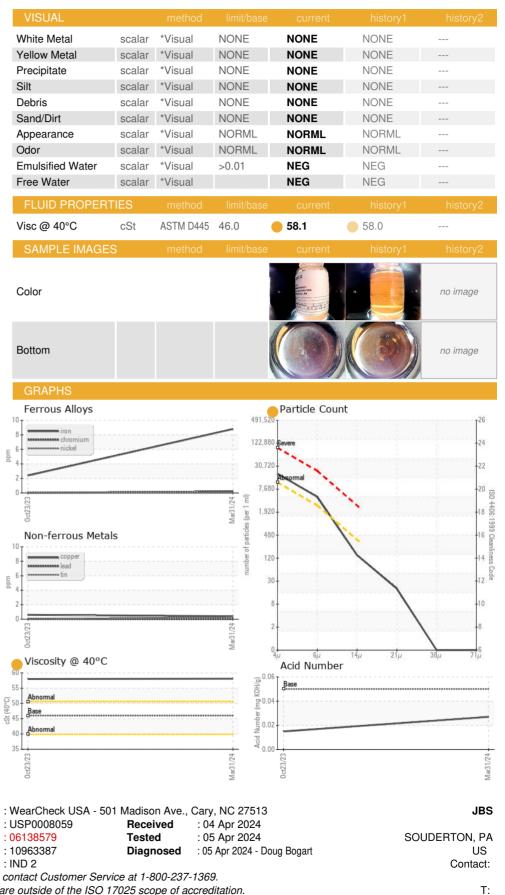
Fluid PETRO CANADA REFLO 46A AMMONIA OIL (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		USP0008059	USP0002798	
Resample at the next service interval to monitor.	Sample Date		Client Info		31 Mar 2024	23 Oct 2023	
Wear	Machine Age	hrs	Client Info		13843	11743	
All component wear rates are normal.	Oil Age	hrs	Client Info		0	0	
Contamination	Oil Changed		Client Info		N/A	N/A	
There is a moderate amount of silt (particulates <	Sample Status				ATTENTION	ABNORMAL	
14 microns in size) present in the oil.			le e elte e el			Interterment	la i at a m i O
 Fluid Condition The oil viscosity is higher than normal. Confirmed. The AN level is acceptable for this fluid. 	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m		9	2	
	Chromium	ppm	ASTM D5185m	>2	<1	0	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>2	0	0	
	Aluminum	ppm	ASTM D5185m	>3	0	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		<1	<1	
	Tin	ppm	ASTM D5185m	>4	<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	Cadmium	ppm	ASTM D5185m		0	0	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	0	0	
	Barium	ppm	ASTM D5185m	0	0	0	
	Molybdenum	ppm	ASTM D5185m	0	0	0	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m	0	<1	0	
	Calcium	ppm	ASTM D5185m	0	0	0	
	Phosphorus	ppm	ASTM D5185m	0	0	0	
	Zinc	ppm	ASTM D5185m	0	<1	2	
	Sulfur	ppm	ASTM D5185m	0	0	37	
	CONTAMINANTS	S	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>15	1	1	
	Sodium	ppm	ASTM D5185m		0	1	
	Potassium	ppm	ASTM D5185m	>20	<1	0	
	Water	%	ASTM D6304	>0.01	0.001	0.003	
	ppm Water	ppm	ASTM D6304	>100	12	37.7	
	FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>10000	e 16937	4 1487	
	Particles >6µm		ASTM D7647	>2500	<mark> </mark> 4192	1 0792	
	Particles >14µm		ASTM D7647	>320	127	272	
	Particles >21µm		ASTM D7647	>80	17	29	
	Particles >38µm		ASTM D7647	>20	0	0	
	Particles >71µm		ASTM D7647	>4	0	0	
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	e 21/19/14	▲ 23/21/15	
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974	0.05	0.027	0.015	



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* - 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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Contact/Location: ? ? - JBSSOU Page 2 of 2

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