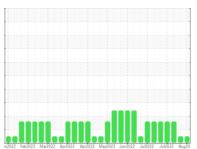


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id GZJ00403 Component Biogas Engine Fluid PETRO CANADA SENTRON CG 40 (--- GAL)

PETRO CANADA SENTRON CO 40 (--- GA

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Total oil added 23 gal)

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

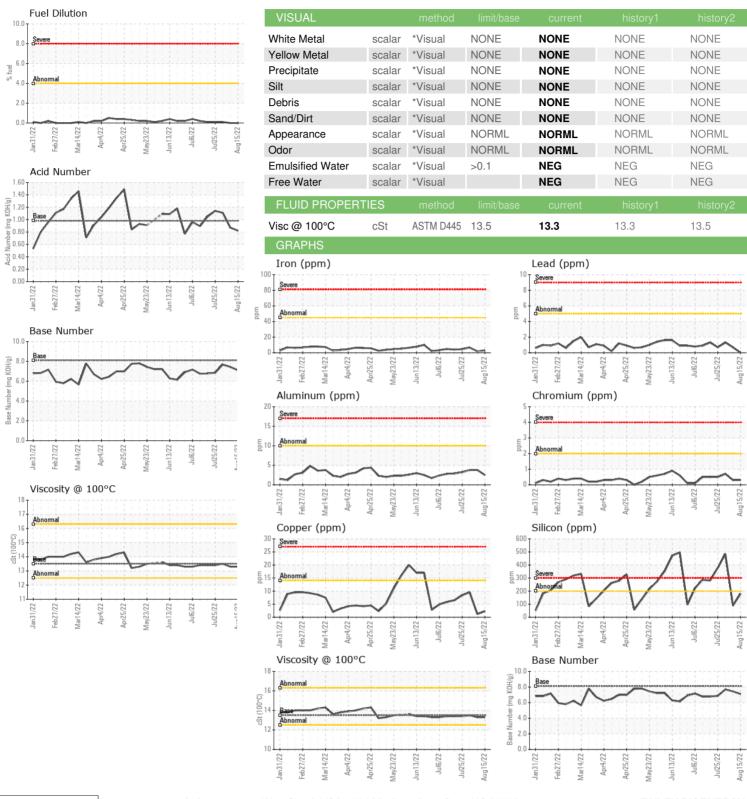
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Number Client Info WC0697935 WC0697946 WC0697946 Sample Date Client Info 15 Aug 2022 08 Aug 2022 02 Aug 202 01 Age 202 02 Aug 202 02 Aug 202 02 Aug 202 01 Age 202 02 Aug 202		GAL)	m2022 Feb202	2 Mar2022 Apr2022 Apr20		-	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 107999 107743 107605 Oil Age hrs Client Info 283 117 984 Oil Changed Client Info N/A N/A N/A Not Chang Sample Status NORMAL NORMAL NORMAL NORMAL ABNORMA CONTAMINATION method limil/base current history1 history1 Wistory method limil/base current history1 history1 WEAR METALS method limil/base current history1 history1 Iron ppm ASTM D5185m >45 3 2 7 Nickel ppm ASTM D5185m >45 3 2 7 Nickel ppm ASTM D5185m >10 0 0 0 Itanium ppm ASTM D5185m >10 2 4 4 Lead ppm ASTM D5185m >11 2 <	Sample Number		Client Info		WC0697935	WC0697946	WC0697944
Oil Age hrs Client Info 283 117 984 Oil Changed Client Info N/A N/A N/A Not Chang Sample Status Client Info N/A N/A NATA Not Chang CONTAMINATION method Limit/base current history1 history1 Water WC Method O.1 NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >45 3 2 7 Chromium ppm ASTM D5185m >22 <1	Sample Date		Client Info		15 Aug 2022	08 Aug 2022	02 Aug 2022
Oil Changed Sample Status Client Info N/A N/A Not Chang ABNORMAL CONTAMINATION method limit/base current history1 history1 Water WC Method >0.1 NEG NEG NEG NEG Glycol WC Method Immitibase current history1 history1 WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >45 3 2 7 Chromium ppm ASTM D5185m >2 -1 -1 -1 -1 Nickel ppm ASTM D5185m >2 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 0 Aluminum ppm ASTM D5185m 10 2 4 4 4 Lead ppm ASTM D5185m 10 2 1 1 1 Copper ppm<	Machine Age	hrs	Client Info		107909	107743	107605
Sample Status	Oil Age	hrs	Client Info		283	117	984
CONTAMINATION method limit/base current history1 history1 Water WC Method >0.1 NEG NEG NEG Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >45 3 2 7 Chromium ppm ASTM D5185m >2 <1 <1 <1 Nickel ppm ASTM D5185m >2 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 0 Aluminum ppm ASTM D5185m >10 2 4	Oil Changed		Client Info		N/A	N/A	Not Changd
Water Glycol WC Method (Plycol) NEG NEG NEG NEG NEG NEG NEG WEAR METALS method (Plycol) Imitibase current (plycol) history1 history2 long current history2 history3 history3 history3 history3 history3 history3 history4 history3 history4 history4 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th>NORMAL</th> <th>ABNORMAL</th>	Sample Status				NORMAL	NORMAL	ABNORMAL
Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >45 3 2 7 Chromium ppm ASTM D5185m >2 <1	CONTAMINATION	V	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Iron	Glycol		WC Method		NEG	NEG	NEG
Chromium ppm ASTM D5185m >2 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >2 0 0 1 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >10 2 4 4 Lead ppm ASTM D5185m >5 0 <1 1 Copper ppm ASTM D5185m >14 2 1 10 Tin ppm ASTM D5185m >13 2 2 8 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Barium ppm ASTM D5185m 1 <1 <1 <1 <1 <1 <	Iron	ppm	ASTM D5185m	>45	3	2	7
Nickel ppm ASTM D5185m >2 0 0 1 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >10 2 4 4 Lead ppm ASTM D5185m >5 0 <1 1 Copper ppm ASTM D5185m >14 2 1 10 Tin ppm ASTM D5185m >13 2 2 8 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Manganesium ppm ASTM D5185m 2 1 <1 <1 <1 <1	Chromium	• •	ASTM D5185m	>2	<1	<1	<1
Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >10 2 4 4 Lead ppm ASTM D5185m >5 0 <1 1 Copper ppm ASTM D5185m >14 2 1 10 Tin ppm ASTM D5185m >13 2 2 8 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Barium ppm ASTM D5185m 2 1 <1 <1 <1 <1	Nickel		ASTM D5185m	>2	0	0	1
Aluminum ppm ASTM D5185m >10 2 4 4 Lead ppm ASTM D5185m >5 0 <1 1 Copper ppm ASTM D5185m >14 2 1 10 Tin ppm ASTM D5185m >13 2 2 8 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Molybdenum ppm ASTM D5185m 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th>Titanium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >5 0 <1	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >14 2 1 10 Tin ppm ASTM D5185m >13 2 2 8 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Molybdenum ppm ASTM D5185m 2 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Aluminum	ppm	ASTM D5185m	>10	2	4	4
Tin ppm ASTM D5185m >13 2 2 8 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 0 Molybdenum ppm ASTM D5185m 2 1 <1	Lead	ppm	ASTM D5185m	>5	0	<1	1
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Molybdenum ppm ASTM D5185m 2 1 <1	Copper	ppm	ASTM D5185m	>14	2	1	10
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Molybdenum ppm ASTM D5185m 1 <1	Tin	ppm	ASTM D5185m	>13	2	2	8
ADDITIVES	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0 0 3 1 Barium ppm ASTM D5185m 1 0 0 0 Molybdenum ppm ASTM D5185m 2 1 <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 1 0 0 0 Molybdenum ppm ASTM D5185m 2 1 <1 2 Manganese ppm ASTM D5185m 1 <1 <1 <1 Magnesium ppm ASTM D5185m 9 11 13 12 Calcium ppm ASTM D5185m 2712 2830 2581 2828 Phosphorus ppm ASTM D5185m 292 265 261 276 Zinc ppm ASTM D5185m 342 327 303 341 Sulfur ppm ASTM D5185m 2575 3227 3000 3413 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >200 180 88 484 Sodium ppm ASTM D5185m >20 0 <1 <1 Potassium ppm ASTM D5185m	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 2 1 <1	Boron	ppm	ASTM D5185m	0	0	3	1
Manganese ppm ASTM D5185m 1 <1	Barium	ppm	ASTM D5185m	1	0	0	0
Magnesium ppm ASTM D5185m 9 11 13 12 Calcium ppm ASTM D5185m 2712 2830 2581 2828 Phosphorus ppm ASTM D5185m 292 265 261 276 Zinc ppm ASTM D5185m 342 327 303 341 Sulfur ppm ASTM D5185m 2575 3227 3000 3413 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m >200 0 <1 <1 Potassium ppm ASTM D5185m >20 0 <1 0 Fuel % ASTM D3524 >4.0 0.0 0.0 0.1 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844	Molybdenum	ppm	ASTM D5185m	2	1	<1	2
Calcium ppm ASTM D5185m 2712 2830 2581 2828 Phosphorus ppm ASTM D5185m 292 265 261 276 Zinc ppm ASTM D5185m 342 327 303 341 Sulfur ppm ASTM D5185m 2575 3227 3000 3413 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m >20 0 <1 <1 Potassium ppm ASTM D5185m >20 0 <1 <1 Potassium ppm ASTM D5185m >20 0 <1 0 Fuel % ASTM D3524 >4.0 0.0 0.0 0.1 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7624	Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Phosphorus ppm ASTM D5185m 292 265 261 276 Zinc ppm ASTM D5185m 342 327 303 341 Sulfur ppm ASTM D5185m 2575 3227 3000 3413 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m >200 1 1 1 Potassium ppm ASTM D5185m >20 0 <1 0 Fuel % ASTM D5185m >20 0 <1 0 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/.1mm *ASTM D7415 >30	Magnesium	ppm	ASTM D5185m	9	11	13	12
Zinc ppm ASTM D5185m 342 327 303 341 Sulfur ppm ASTM D5185m 2575 3227 3000 3413 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m >20 0 <1 <1 Potassium ppm ASTM D5185m >20 0 <1 0 Fuel % ASTM D3524 >4.0 0.0 0.0 0.1 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base	Calairea						
Sulfur ppm ASTM D5185m 2575 3227 3000 3413 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m >20 0 <1 <1 Potassium ppm ASTM D5185m >20 0 <1 0 Fuel % ASTM D3524 >4.0 0.0 0.0 0.1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 <td< th=""><th>Calcium</th><th>• •</th><th>ASTM D5185m</th><th>2712</th><th>2830</th><th>2581</th><th></th></td<>	Calcium	• •	ASTM D5185m	2712	2830	2581	
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m 0 <1 <1 Potassium ppm ASTM D5185m >20 0 <1 0 Fuel % ASTM D3524 >4.0 0.0 0.0 0.1 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98		ppm			265		2828
Silicon ppm ASTM D5185m >200 180 88 ▲ 484 Sodium ppm ASTM D5185m 0 <1	Phosphorus	ppm ppm	ASTM D5185m	292	265	261	2828 276
Sodium ppm ASTM D5185m 0 <1	Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m	292 342	265 327	261 303	2828 276 341
Potassium ppm ASTM D5185m >20 0 <1	Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	292 342 2575 limit/base	265 327 3227 current	261 303 3000 history1	2828 276 341 3413 history2
Fuel % ASTM D3524 >4.0 0.0 0.0 0.1 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	292 342 2575 limit/base	265 327 3227 current	261 303 3000 history1 88	2828 276 341 3413 history2
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	292 342 2575 limit/base >200	265 327 3227 current 180 0	261 303 3000 history1 88 <1	2828 276 341 3413 history2 484 <1
Soot % % *ASTM D7844 0.1 0.1 0 Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	292 342 2575 limit/base >200	265 327 3227 current 180 0	261 303 3000 history1 88 <1 <1	2828 276 341 3413 history2 484 <1
Nitration Abs/cm *ASTM D7624 >20 4.5 4.2 5.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	292 342 2575 limit/base >200	265 327 3227 current 180 0	261 303 3000 history1 88 <1 <1	2828 276 341 3413 history2 484 <1
Sulfation Abs/.1mm *ASTM D7415 >30 17.4 16.2 20.6 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524	292 342 2575 limit/base >200 >20 >4.0	265 327 3227 current 180 0 0 0.0	261 303 3000 history1 88 <1 <1	2828 276 341 3413 history2 484 <1 0 0.1
FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844	292 342 2575 limit/base >200 >20 >4.0 limit/base	265 327 3227 current 180 0 0 current 0.1	261 303 3000 history1 88 <1 <1 0.0 history1	2828 276 341 3413 history2 484 <1 0 0.1 history2
Oxidation Abs/.1mm *ASTM D7414 >25 8.3 8.1 9.3 Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624	292 342 2575 limit/base >200 >20 >4.0 limit/base	265 327 3227 current 180 0 0 0.0 current 0.1 4.5	261 303 3000 history1 88 <1 <1 0.0 history1 0.1 4.2	2828 276 341 3413 history2 484 <1 0 0.1 history2 0 5.0
Acid Number (AN) mg KOH/g ASTM D8045 0.98 0.82 0.87 1.11	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624	292 342 2575 limit/base >200 >4.0 limit/base >20	265 327 3227 current 180 0 0 0.0 current 0.1 4.5	261 303 3000 history1 88 <1 <1 0.0 history1 0.1 4.2	2828 276 341 3413 history2 484 <1 0 0.1 history2 0 5.0
	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415	292 342 2575 limit/base >200 >4.0 limit/base >20 >30	265 327 3227 current 180 0 0 0.0 current 0.1 4.5 17.4	261 303 3000 history1 88 <1 <1 0.0 history1 0.1 4.2 16.2	2828 276 341 3413 history2 484 <1 0 0.1 history2 0 5.0
Base Number (BN) mg KOH/g ASTM D2896 8.1 7.10 7.43 7.68	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	292 342 2575 limit/base >200 >4.0 limit/base >20 >30 limit/base	265 327 3227 current 180 0 0 0.0 current 0.1 4.5 17.4 current	261 303 3000 history1 88 <1 <1 0.0 history1 0.1 4.2 16.2 history1	2828 276 341 3413 history2 ▲ 484 <1 0 0.1 history2 0 5.0 20.6 history2
	Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA Oxidation	ppm ppm ppm ppm ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415 method *ASTM D7414	292 342 2575 limit/base >200 >4.0 limit/base >20 >30 limit/base >25	265 327 3227 current 180 0 0 0.0 current 0.1 4.5 17.4 current 8.3	261 303 3000 history1 88 <1 <1 0.0 history1 0.1 4.2 16.2 history1 8.1	2828 276 341 3413 history2 ▲ 484 <1 0 0.1 history2 0 5.0 20.6 history2 9.3



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: WC0697935

: 05620157 Unique Number: 10099664

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 18 Aug 2022 Diagnosed : 19 Aug 2022 - Jonathan Hester

Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 17 Aug 2022

* - 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)

FINLEY BIOENERGY

74265 Bombing Range Road Boardman, OR

US 97818 Contact: Blain Middleton

bmiddleton@archaea.energy T: (541)481-3232

F: