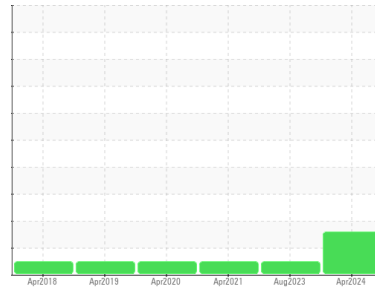




FUEL REPORT

Sample Rating Trend



ISO



Machine Id

EXTREME NETWORKS

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

There is a moderate amount of particulates present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC06140414	WC05925211	WC05223439
Sample Date	Client Info			04 Apr 2024	15 Aug 2023	06 Apr 2021
Machine Age	hrs	Client Info		0	0	0
Sample Status				ATTENTION	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298	0.839	---	0.840	0.840
Fuel Color	text	*Visual Screen	Yllow	Red	Red	Red
ASTM Color	scalar	*ASTM D1500		L4.5	L4.0	L5.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	2.36	2.46
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.7	63	57

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	0	9
Sulfur (UVF)	ppm	ASTM D5453		12	8	10

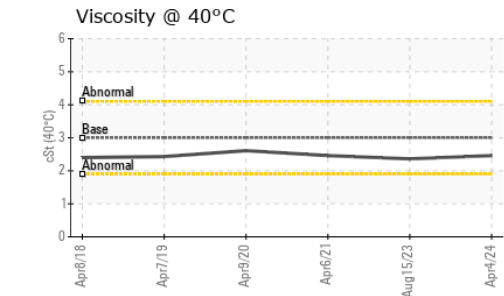
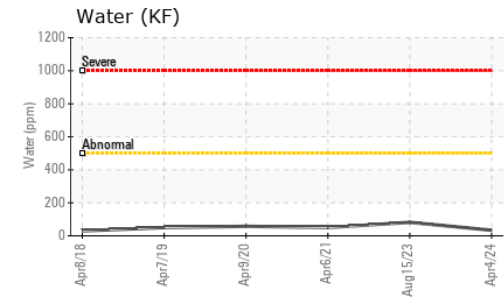
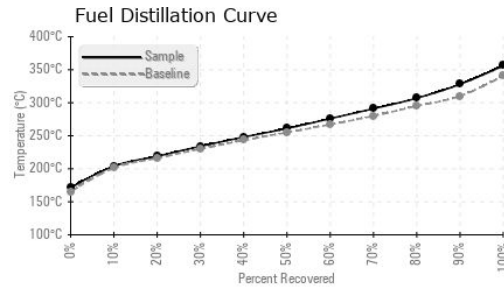
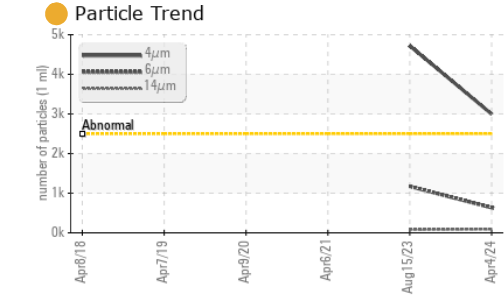
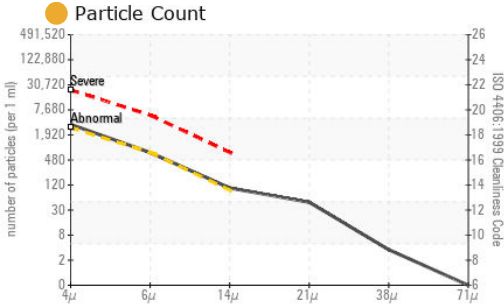
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171	173	161
5% Distillation Point	°C	ASTM D86		194	192	189
10% Distill Point	°C	ASTM D86	201	204	200	199
15% Distillation Point	°C	ASTM D86		211	207	208
20% Distill Point	°C	ASTM D86	216	219	214	216
30% Distill Point	°C	ASTM D86	230	234	227	231
40% Distill Point	°C	ASTM D86	243	248	241	245
50% Distill Point	°C	ASTM D86	255	261	255	260
60% Distill Point	°C	ASTM D86	267	276	270	275
70% Distill Point	°C	ASTM D86	280	291	285	290
80% Distill Point	°C	ASTM D86	295	307	303	306
85% Distillation Point	°C	ASTM D86		318	312	316
90% Distill Point	°C	ASTM D86	310	328	324	327
95% Distillation Point	°C	ASTM D86		343	341	342
Final Boiling Point	°C	ASTM D86	341	356	348	349
Distillation Residue	%	ASTM D86	3.0	---	1.4	1.4
Distillation Loss	%	ASTM D86	3.0	---	0.9	0.7

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37	37.0	37.0
Cetane Index		ASTM D4737	<40.0	49	47.7	48.4

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	<1	0
Sodium	ppm	ASTM D5185m	<0.1	<1	0	0
Potassium	ppm	ASTM D5185m	<0.1	0	<1	1
Water	%	ASTM D6304	<0.05	0.003	0.008	0.005
ppm Water	ppm	ASTM D6304	<500	34	81.7	50.0
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	2.2	0.0	2.4



FUEL REPORT



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06140414 **Received** : 05 Apr 2024
Lab Number : **06140414** **Tested** : 15 Apr 2024
Unique Number : 10965222 **Diagnosed** : 15 Apr 2024 - Doug Bogart
Test Package : DF-2 (Additional Tests: Fuel, Screen)

COUCH OIL COMPANY
 2907 HILLSBOROUGH RD
 DURHAM, NC
 US 27705
 Contact: JESSE BROWN
 jesse@couchoilcompany.com
 T: (919)285-5408
 F:

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)

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	● 2996	4721	---
Particles >6µm	ASTM D7647	>640	635	1173	---
Particles >14µm	ASTM D7647	>80	● 90	77	---
Particles >21µm	ASTM D7647	>20	● 41	26	---
Particles >38µm	ASTM D7647	>4	3	2	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	● 19/16/14	19/17/13	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m <0.1	0	<1	0
Nickel	ppm	ASTM D5185m <0.1	0	0	<1
Lead	ppm	ASTM D5185m <0.1	0	0	0
Vanadium	ppm	ASTM D5185m <0.1	0	0	<1
Iron	ppm	ASTM D5185m <0.1	0	0	0
Calcium	ppm	ASTM D5185m <0.1	0	0	<1
Magnesium	ppm	ASTM D5185m <0.1	<1	0	<1
Phosphorus	ppm	ASTM D5185m <0.1	0	0	0
Zinc	ppm	ASTM D5185m <0.1	0	0	0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					







