



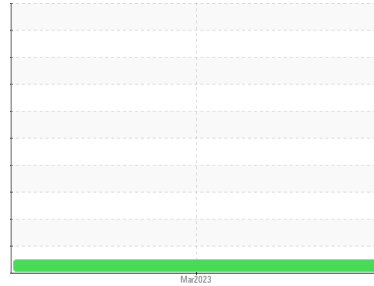
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
CML 1 - P66 POWERFLOW AW 46 (S/N 13046)
 Component
New (Unused) Oil
 Fluid
{not provided} (1500 GAL)



DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0801423	---	---
Sample Date	Client Info			16 Mar 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m	>5	0	---	---
Aluminum	ppm	ASTM D5185m	>5	<1	---	---
Lead	ppm	ASTM D5185m	>5	0	---	---
Copper	ppm	ASTM D5185m	>5	0	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		77	---	---
Phosphorus	ppm	ASTM D5185m		520	---	---
Zinc	ppm	ASTM D5185m		663	---	---
Sulfur	ppm	ASTM D5185m		1478	---	---

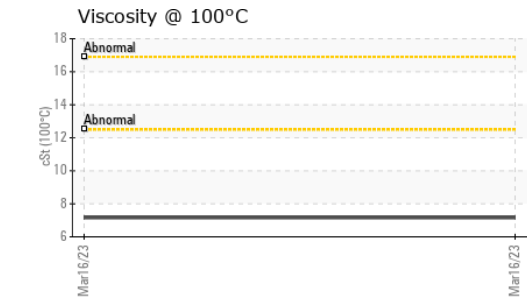
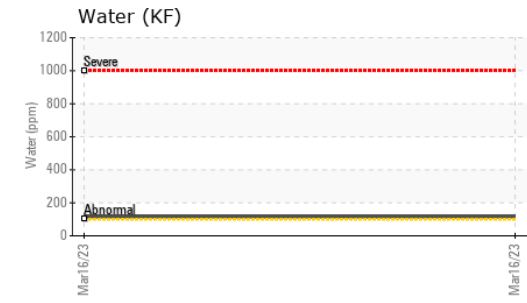
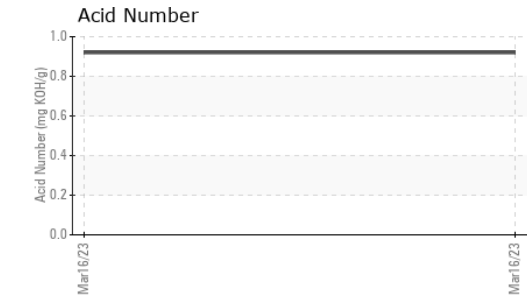
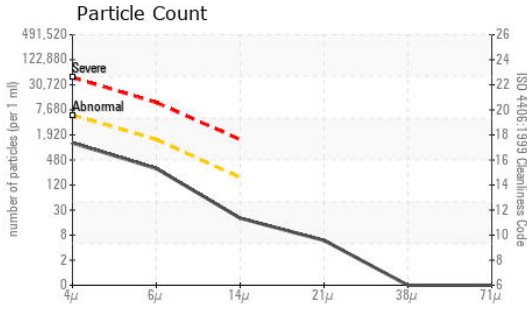
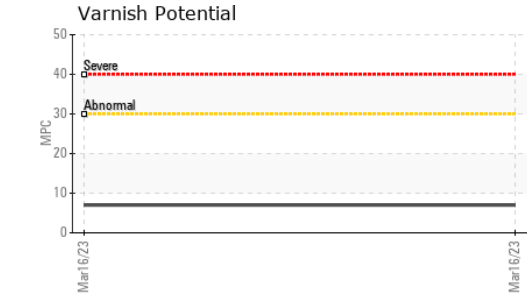
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304		0.011	---	---
ppm Water	ppm	ASTM D6304		115.0	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1080	---	---
Particles >6µm		ASTM D7647	>1300	263	---	---
Particles >14µm		ASTM D7647	>160	17	---	---
Particles >21µm		ASTM D7647	>40	5	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.92	---	---
MPC Varnish Potential	Scale	ASTM D7843	>15	7	---	---



OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	NEG	---	---	
Free Water	scalar	*Visual	NEG	---	---	

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.68	---	---
Visc @ 100°C	cSt	ASTM D445	7.16	---	---
Viscosity Index (VI)	Scale	ASTM D2270	120	---	---
Oxidation Test (RPVOT)	minutes	*ASTM D2272	324	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image
MPC		no image	no image

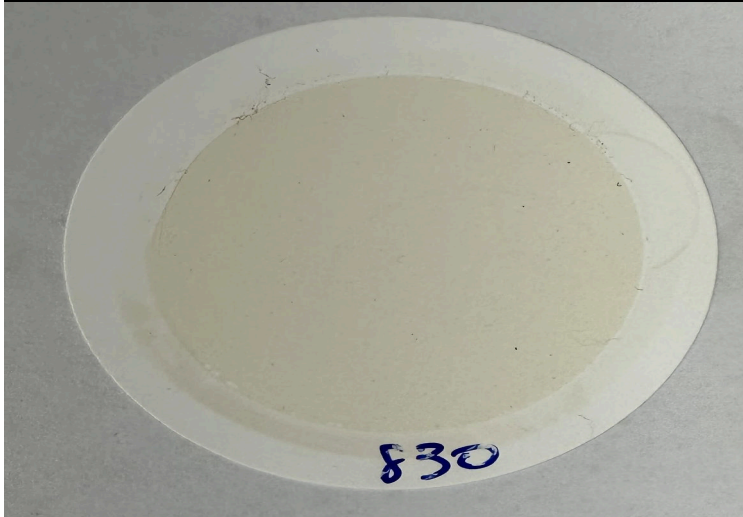


Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0801423 **Recieved** : 24 Mar 2023
Lab Number : 05801830 **Diagnosed** : 03 Apr 2023
Unique Number : 10399359 **Diagnostician** : Doug Bogart
Test Package : AOM 1 (Additional Tests: FT-IR, ICP-NewOil, KF, RPVOT)

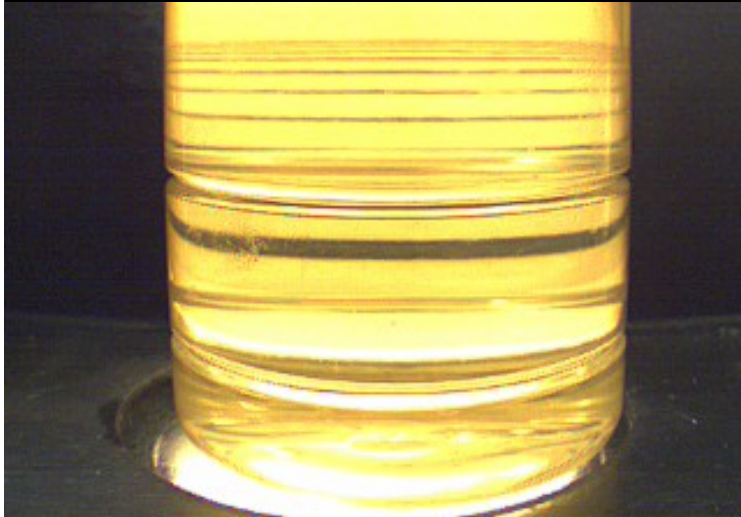
BALDWIN FILTERS INC
 4400 HIGHWAY 30 EAST
 KEARNEY, NE
 US 68847-0724
 Contact: JAY FAHRENBRUCH
 jay.fahrenbruch@parker.com
 T:
 F: (800)828-4453

Certificate L2367
 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)

MPC (Varnish Test)



Sample Color & Clarity



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