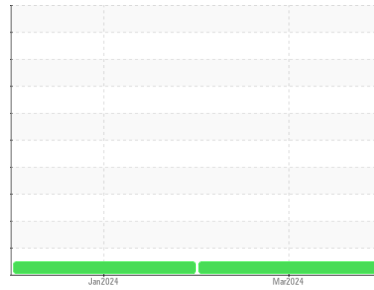




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**PMC Cylinders 70-SDC-180HPU**  
 Component  
**Tank Bulk Fluid Tank**  
 Fluid  
**{not provided} (400 LTR)**

### DIAGNOSIS

#### Recommendation

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PH0002693</b>	PH0001736	---
Sample Date	Client Info			<b>19 Mar 2024</b>	05 Jan 2024	---
Machine Age	days	Client Info		<b>0</b>	0	---
Oil Age	days	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

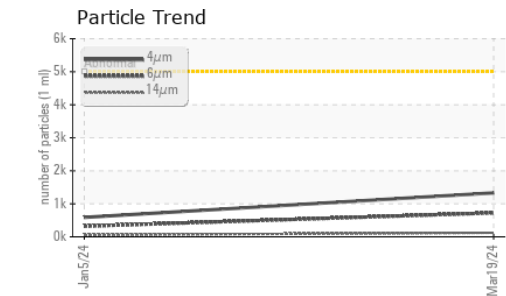
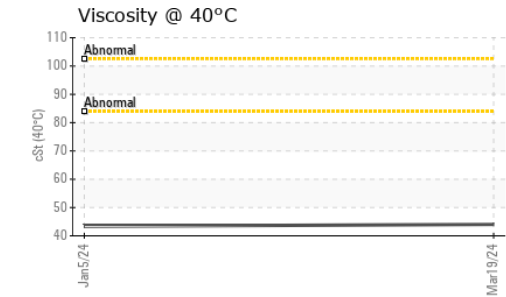
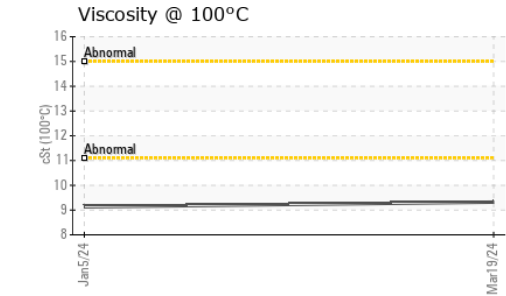
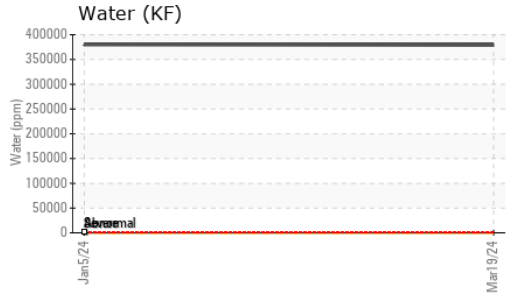
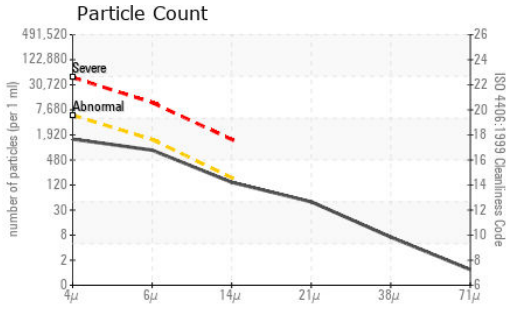
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	---
Calcium	ppm	ASTM D5185m		<b>0</b>	3	---
Phosphorus	ppm	ASTM D5185m		<b>16</b>	5	---
Zinc	ppm	ASTM D5185m		<b>0</b>	<1	---
Sulfur	ppm	ASTM D5185m		<b>0</b>	18	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Water	%	ASTM D6304		<b>37.9</b>	38.0	---
ppm Water	ppm	ASTM D6304		<b>379000</b>	380000	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>1331</b>	589	---
Particles >6µm		ASTM D7647	>1300	<b>725</b>	321	---
Particles >14µm		ASTM D7647	>160	<b>123</b>	55	---
Particles >21µm		ASTM D7647	>40	<b>42</b>	18	---
Particles >38µm		ASTM D7647	>10	<b>6</b>	3	---
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/17/14</b>	16/16/13	---



# 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	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287	9.00	9.00	---
Visc @ 40°C	cSt	ASTM D445	44.05	43.37	---
Visc @ 100°C	cSt	ASTM D445	9.32	9.13	---
Viscosity Index (VI)	Scale	ASTM D2270	201	199	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH0002693  
**Lab Number** : 06136717  
**Unique Number** : 10956182  
**Test Package** : PLANT ( Additional Tests: KF, KV100, pH, PrtFilter, VI )

**BECHTEL**  
 830 EASTERN BYPASS SUITE 106  
 RICHMOND, KY  
 US 40475  
 Contact: PATRICK SZYMANSKI  
 pmszyman@bechtel.us

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)