



OIL ANALYSIS REPORT

Sample Rating Trend

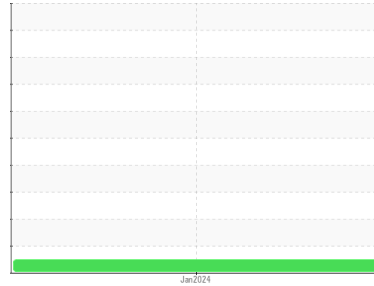
NORMAL



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			PH0001736	---	---
Sample Date	Client Info			05 Jan 2024	---	---
Machine Age	days	Client Info		0	---	---
Oil Age	days	Client Info		0	---	---
Oil Changed	Client Info			Not Chngd	---	---
Sample Status				NORMAL	---	---

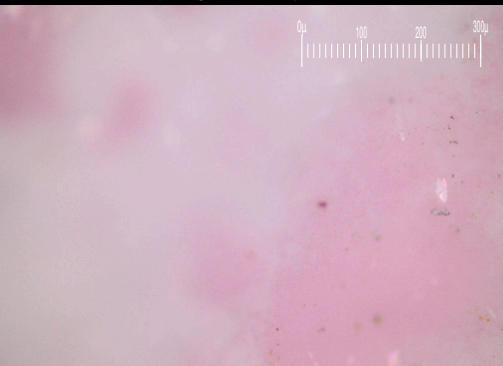
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		0	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper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

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		<1	---	---
Magnesium	ppm	ASTM D5185m		2	---	---
Calcium	ppm	ASTM D5185m		3	---	---
Phosphorus	ppm	ASTM D5185m		5	---	---
Zinc	ppm	ASTM D5185m		<1	---	---
Sulfur	ppm	ASTM D5185m		18	---	---

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

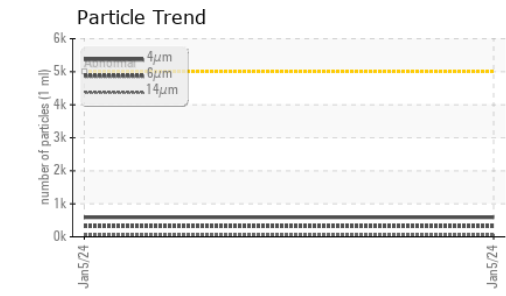
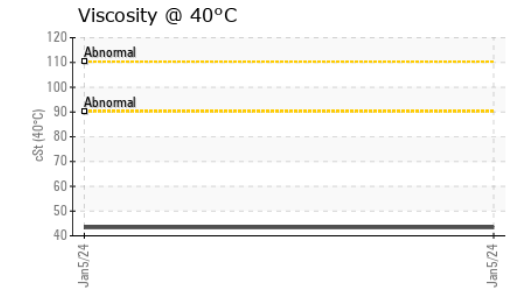
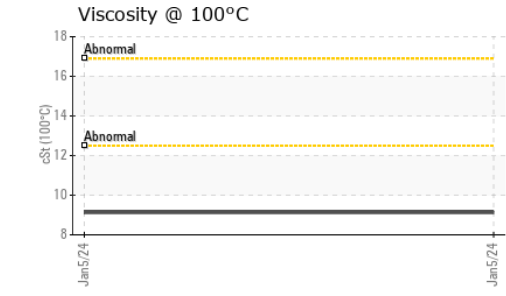
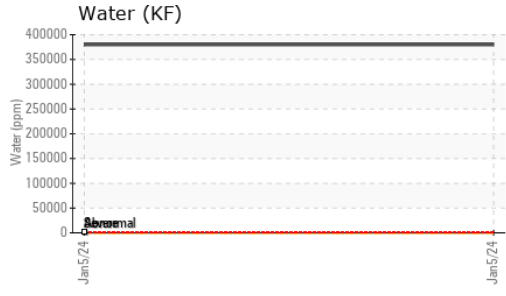
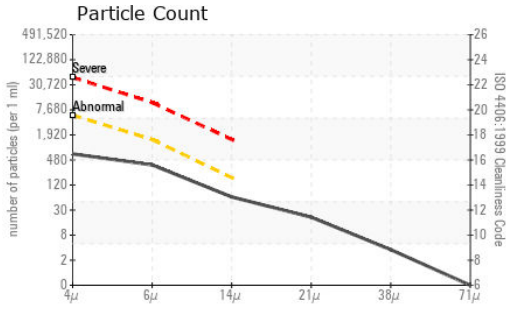
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	589	---	---
Particles >6µm		ASTM D7647	>1300	321	---	---
Particles >14µm		ASTM D7647	>160	55	---	---
Particles >21µm		ASTM D7647	>40	18	---	---
Particles >38µm		ASTM D7647	>10	3	---	---
Particles >71µm		ASTM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

Particle Filter (Magn: 200 x)





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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
pH	Scale 0-14	ASTM D1287	9.00	---	---
Visc @ 40°C	cSt	ASTM D445	43.37	---	---
Visc @ 100°C	cSt	ASTM D445	9.13	---	---
Viscosity Index (VI)	Scale	ASTM D2270	199	---	---

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0001736 **Received** : 17 Jan 2024
Lab Number : 06063240 **Diagnosed** : 05 Feb 2024
Unique Number : 10834622 **Diagnostician** : Doug Bogart
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)

T:
F: