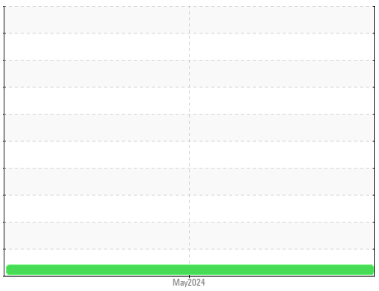
OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY

Machine Id
PLATA SILAO
Component
Heat Transfer Fluid
Fluid
{not provided} (--- LTR)

DIAGNOSIS

Recommendation
The fluid is suitable for further service. Resample at the next service interval to monitor. All tests and evaluation performed at WearCheck Canada.

Fluid Condition
Visc @ 40°C is abnormally low.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO10003417**	---	---
Sample Date		Client Info		**27 May 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**9**	---	---
Chromium	ppm	ASTM D5185m	>21	**0**	---	---
Nickel	ppm	ASTM D5185m	>21	**0**	---	---
Titanium	ppm	ASTM D5185m	>21	**0**	---	---
Silver	ppm	ASTM D5185m	>21	**0**	---	---
Aluminum	ppm	ASTM D5185m	>21	**0**	---	---
Lead	ppm	ASTM D5185m	>21	**1**	---	---
Copper	ppm	ASTM D5185m	>21	**0**	---	---
Tin	ppm	ASTM D5185m	>21	**0**	---	---
Antimony	ppm	ASTM D5185m	>21	**0**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Beryllium	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		**10**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**0**	---	---
Magnesium	ppm	ASTM D5185m		**<1**	---	---
Calcium	ppm	ASTM D5185m		**<1**	---	---
Phosphorus	ppm	ASTM D5185m		**1**	---	---
Zinc	ppm	ASTM D5185m		**<1**	---	---
Sulfur	ppm	ASTM D5185m		**4573**	---	---
Lithium	ppm	ASTM D5185m		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**0**	---	---
Sodium	ppm	ASTM D5185m	>21	**<1**	---	---
Potassium	ppm	ASTM D5185m	>20	**0**	---	---
Water	%	ASTM D6304	>0.0601	**0.003**	---	---
ppm Water	ppm	ASTM D6304	>601	**35**	---	---

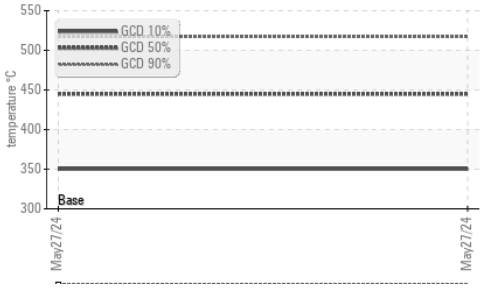
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.26**	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		▲ **43.4**	---	---
COC Flash Point	°C	ASTM D92		**220**	---	---

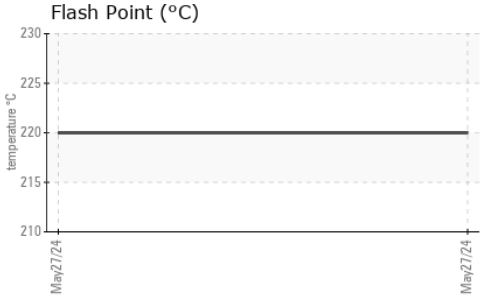
SEDIMENT		method	limit/base	current	history1	history2
Pentane Insolubles	%	*ASTM D893		**0.142**	---	---

OIL ANALYSIS REPORT

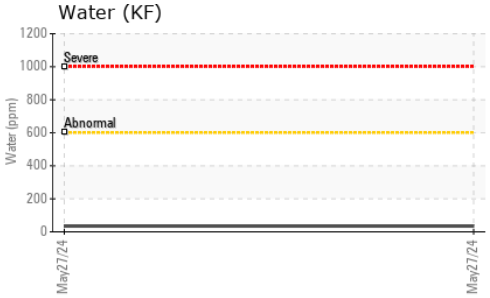
Gas Chromatography (GCD)



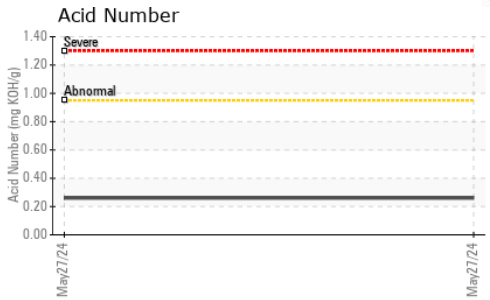
Flash Point (°C)



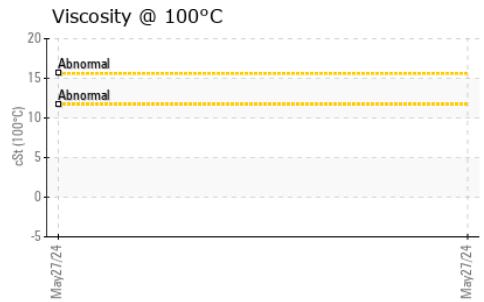
Water (KF)



Acid Number



Viscosity @ 100°C

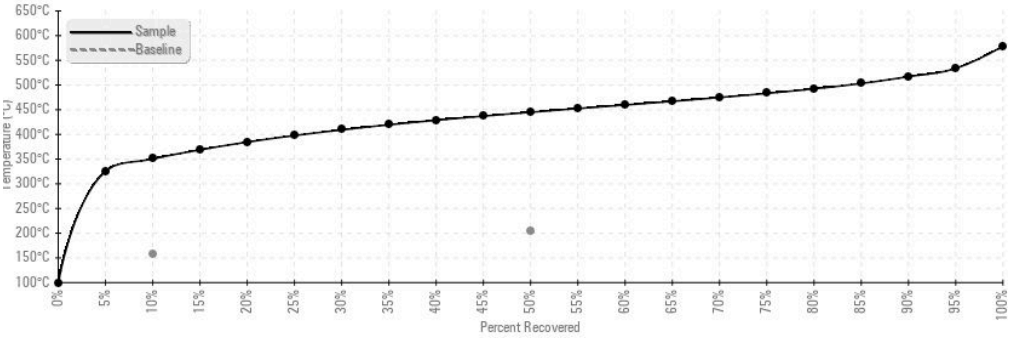


SIMULATED DISTILLATON (GCD)		method	limit/base	current	history1	history2
(GCD) % < 335°C	°C	*ASTM D2887		**6.21**	---	---
(GCD) Initial Boiling Point	°C	*ASTM D2887	122	**98.4**	---	---
(GCD) 5% Distillation Point	°C	*ASTM D2887		**325.4**	---	---
(GCD) 10% Distillation Point	°C	*ASTM D2887	157	**350.2**	---	---
(GCD) 20% Distillation Point	°C	*ASTM D2887		**384.4**	---	---
(GCD) 30% Distillation Point	°C	*ASTM D2887		**409.2**	---	---
(GCD) 40% Distillation Point	°C	*ASTM D2887		**428.7**	---	---
(GCD) 50% Distillation Point	°C	*ASTM D2887	204	**444.9**	---	---
(GCD) 60% Distillation Point	°C	*ASTM D2887		**459.6**	---	---
(GCD) 70% Distillation Point	°C	*ASTM D2887		**474.8**	---	---
(GCD) 80% Distillation Point	°C	*ASTM D2887		**492.3**	---	---
(GCD) 90% Distillation Point	°C	*ASTM D2887		**517.0**	---	---
(GCD) FBP% Distillation Point	°C	*ASTM D2887	322	**578.6**	---	---

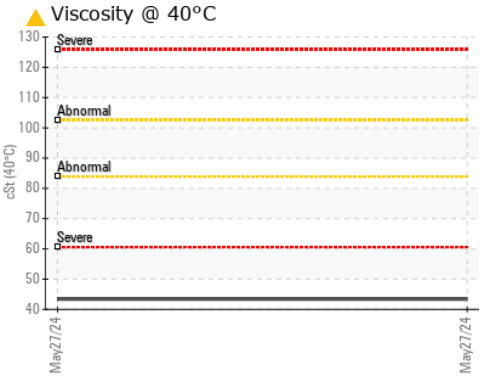
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

Gas Chromatography Distillation (GCD)



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003417
Lab Number : 06193486
Unique Number : 11050238
Test Package : IND 2 (Additional Tests: COC Flash, GCD, KF, KV100, PntInsol, VI)

Received : 28 May 2024
Tested : 17 Jun 2024
Diagnosed : 17 Jun 2024 - Doug Bogart

ERGON - SILAO
CALLE MINA DE GUADALUPE #111, PARQUE INDUSTRIAL PUERTO INTER
SILAO, ZZ
MX 36275
Contact: ADRIAN BUATISTA
adrian.bautista@ergon.com
T:
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)